Class B

File No. PWD 6 MMI 68

MYSORE GOVERNMENT SECRETARIAT

Notes/Correspondence/Collection

Department Public works Section Major Irrigation

Subject :— Vijayanagar channel — Remodelling of Tungabhadra channel in Hospet taluk Bellary Dist.

Earlier References :—

Later References :—

(Classification A/B/C)

Notes Pages..... 9

Correspondence Pages..... 18

~~For~~/Not for Section note Book

To be destroyed after.....

M. D. Hussain
For Under Secretary to Government

16/6/68.

2/7/68.

I.D.

14/2/68

2/7/68

M. G. S.

Subject:

WPD File No. 6 MM168

Vijayanagar channels — Remodelling of Tungabhadra channel in Hospet taluk Bellary dist.

WD 01050—GPB—8,00,000 13-12-65

Letter No VNC/TRT/1260-41/TA-1. dated 2.2.68 from the chief engineer I. P. (Sowen) Bangalore

1) The chief engineer has forwarded the plans and estimates amounting to Rs 5.20 lakhs for favour of communicating administrative approval of above for remodelling of Tungabhadra channel.

2) This channel is situated in Hospet taluk of Bellary District and is about 15 miles lower down of Tungabhadra Dam. This channel takes off from the head sluice situated at the end of aforesaid channel and is 10 M.2 F. in length. Thick bushes and jungle are overgrown at some places. The bed fall is not uniform, little obstructing the uniform flow. the channel

is also silted up. The channel runs in hilly tract with one bank formed on rocky boulders and outcrops. Heavy loads are reduced at these places. It is difficult to free the required quantity of water to the tail end.

2) It is therefore proposed to remodel and repair the Thevur channel. for which an estimate amounting to Rs 5-20 lakhs has been got up. It is stated to provide for the following works.

1) Clearing sides and bed of channel from jungles. trees and weeds.
2) Repairs to the existing Head regulator.
3) Desilting and resectioning of the channel.
4) constructing pipe outlets with locking arrangement.
5) constructing foot bridges and cart bridges wherever necessary.
6) providing Koramans wherever necessary
7) providing inlets where necessary

M. G. S.

Subject: Vijayanagar channels — Remodelling of Tungabhadra channel in Hospet taluk Bellary dist.

PWD File No. 6 MM 168

WD 01050—GPB—8,00,000 13-12-65

Letter No VNC/TRT/12640-41/TA-1. dated 2.2.68 from the chief engineer I. P. (Sowen) Bangalore

1) The chief engineer has forwarded the plans and estimates amounting to Rs 5.20 lakhs for favour of communicating administrative approval of above for remodelling of Tungabhadra channel.

2) This channel is situated in Hospet taluk of Bellary District and is about 15 miles lower down of Tungabhadra Dam. This channel takes off from the head sluice situated at the end of approach channel and is 10 M. 2 F. in length. Thick bushes and jungle are overgrown at some places. The bed level is not uniform, little obstructing the uniform flow. the channel.

M. G. S. | Subject : | File No.

WD 01050—GPB—8,00,000 13-12-65

8) Construction of trade and profile walls

9) providing lining and revetment, wherever necessary.

10) providing Distance and Boundary Stones

11) miscellaneous items such as repairs to shed for watchman, surveys during execution and a standing house queue.

3) By remodelling the present channel it will be possible to release allowed water supply to an ayacut of 2200 acres. The main crops to be grown under the channel are. sugar cane and paddy.

4) The chief engineer has not proposed any betterment levy. Since the estimate mainly proposed provides for repairs and remodelling to the existing channel system. in order to ensure that there is allowed water supply to its existing ayacut. water rates as per rules in force. will have to be collected. from the ayacut only.

5) In respect of the above project. the

chief engineer. has not indicated the source of meeting the expenditure but same may perhaps be ascertained from the CE.

6) Thurtha Channel in Bellary District is one of the Vijayanagar Channels. The Thurtha Anicut is situated in the Hospet Taluk, 15 miles down-stream of the Tungabhadra Dam. It is constructed across the right-arm of the Tungabhadra River. There is an approach channel 4 furlongs in length leading to the Thurtha Channel Head-sluice. The channel bed width varies from 25 feet to 30 feet. At present the capacity of the approach channel is more than the required capacity in the channel. Improvements to this approach channel along with the remodelling work of Thurtha Anicut are proposed to be taken up separately under a separate estimate to be got up.

14.2.68.

7) The Thurtha channel takes off from the head sluices situated at the end of the approach channel and it is 10 miles 2 furlongs in length. Thick bushes and jungle have over-grown at some places. The bed fall is not uniform, thus obstructing the uniform flow. The channel is silted up also. The Channel runs in hilly tract with one bank formed on rocky boulders and out-crops. Heavy leaks are noticed at these places. It is difficult to force the required quantity of water to the tail end. The water is drawn from sluices which have no proper controlling arrangements. The registered ayacut under this channel is 2,200 acres. The crop pattern followed is perennial, 50% sugarcane and 50% paddy.

M. G. S. | Subject: | File No. RTS 6 MM968

WD 01050—GPB—8,00,000 13-12-65

8) To bring the Thurtha channel into a satisfactory working condition, an estimate amounting to Rs. 5.20 lakhs has been got up. The estimate envisages the following improvements:-

1) Clearing sides and bed of channel from jungle, bushes and weeds,
2) Repairs to the existing Head Regulator,
3) Desilting and resectioning of the Channel,
4) Dismantling the existing dilapidated sluices and reconstructing them using pipe outlets and providing of locking arrangements,
5) Providing new Foot bridges in place of old and dilapidated ones,
6) Providing new Cart Bridges in place of old and dilapidated ones,
7) Providing Sopanams wherever necessary,
8) Providing in-lets at suitable places to prevent silt getting into the Channel,
9) Construction of Grade and profile walls at 600' interval along the channel to define the section of canal,
10) Providing lining and revetment to the sides of Channel to prevent leakages in the banks,
11) Providing K.M., H.M., and boundary stones and sluice boards along the Channel.

9) The estimate is prepared on the basis of the schedule of rates of the Tungabhadra Project Circle for the year 1967-68. The provisions made in the estimate and the necessity therefor has been explained in detail in the report accompanying the estimate. The remodelling of the Thurtha Channel will assure adequate water supply to all the fully developed ayacut of 2200 acres under it. No Betterment levy is proposed as the estimate provides for repairs to and remodelling of the existing channel system to assure water supply to the existing ayacut. Water rates as per rules in force are proposed to be levied on the lands benefitted. Therefore the Chief Engineer has requested for administrative approval to the estimate amount-

b

Subject: Vijayanagar Channels — Re-modelling of Thurtha Channel in Hospet etc.,

File No. PWS 6 MMN 68.

M. G. S.

ing to ~~Rs.520~~ Rs.5.20 lakhs for the remodelling of the Thurtha channel.

10) In this connection it has to be stated that the estimate for Rs.5.20 lakhs has not been countersigned by the Chief Engineer. The project assures water supply to the ayacut under the channel. As such, Betterment levy and water rate has to be levied as per rules in force as has been ordered in the case of other Vijayanagar channels for which estimates for remodelling have been sanctioned. There is a grant of Rs.60,000/- for remodelling Vijayanagar Channels in Bellary & Raichur Districts in the current years budget under "99 I.N.E. & D. (Commercial) - A. Irrigation Works -- Unproductive -- e (ii) B. Minor Irrigation -- Pick up Channels -- Tungabhadra Project Circle," to which the cost of the estimate for the work now under consideration may have to be debited.

× P. 3, 4, & 6 C.F.

11) In the circumstances, explained above, the estimate for Rs. 5.20 lakhs for remodelling Thurtha channel in Hospet Taluk is for consideration and approval with Financial concurrence.

R. Secy. PWD. No 1212 Dated 19/2

16/2/68 DS / ~~JS~~ / FD

(G. V. VENKATA RAMU)
Jt. Secy. P.W. & Elec. Depts.

19/2/68
(K. CHANNAPPA)
Supdg. Engr. P.W.D. (Irrgn.)

R. & I. No 00358 Dt. 20 FEB 1968 Secretariat

M. G. S.

Subject: Vijayanagar Channels Re-modeling of Thurtha channel in Hospet etc.,

File No. 7

PWD 6 MMS 68

-WD-01050-GPB-8,00,000-13-12-65

U.O.No.1034/W-I/68.

Finance Department,
(Works & Schemes-I).

15) The proposal made by C.E (Irrigation South) is agreed to subject to the following conditions:-

(1) The provision of Rs.8000/- made for permanent establishment will have to be deleted and the amount of the estimate reduced from Rs.5,20,000/- to Rs.5,12,000/- since such charges have to be met from the provision made for establishment under appropriate major head.

(2) Betterment levy and water rate should be recovered from the concerned achkatdars as mentioned in para 10/n.s.

S Abdul Wajid
(S.Abdul Wajid) 24/2
U.S.,F.D.,(W&S).
23.2.68

S61
R. & I. SECTION
P. W. & E. D.
No. 8370
Date 27 FEB 1968
Section M9.

KRS
27/2/68

PWD I

16) A draft order is put up for approval and 7-12/CF

KRS
4.3.68

17) Ref: paras 6 - 15 above. An entirely revised draft G.O. ~~as~~ as per proposals agreed to by F.D in para 15 above is prepared and kept at pages 13-14 CF for consideration and appl. Before the actual issue of the G.O. the estimate will be reduced as per 15 (1) above. H.D. will do this.

18) FD may see the draft G.O.

5/3/68 PD)

PTO

5/3.

W I

R. & I. SECTION
P. W. & E. D.
No. 1102
Date 6 MAR 1968
Section 1336

18

Subject: Vijayanagar channel File No. PWD 6 MMI 68. M. G. S.

Re-modelling of Thirtha channel.

U. O. No. PD 1336 | 68 (WRS) I

19) Seen & Returned.

7.3.(illegible P.W.D.)

S Abdul Wajid
S. ABDUL WAJID. 7/3 1060
Under Secy., Fin. Deptt.

R. & I. SECTION
P. W. & E. D.
No 10136
Date 16 MAR 1968
Section M2

20) The chief GO. at page. Communicating sanction to an estimate amounting to Rs 5.12 lakhs for the remodelling of Thirtha channel (Vijayanagar channel) may be perused & approved.

K.RS
7/3/68

DS
JS
Secy
Fin Sec

12/3 (21) 21) 11/3/68.
G. V VENKATA RAMU, M. CHANNAPPA
Jt. Secy. P.W. & Elec. Depts. Dy. Secy. to Govt. P.W.D. (Irrgn.)

7/3
Dy. Secy. PWD. 1987 Date 12/3

V. Patil 14/3 (24) 23) 13/3
CHANDAPPA PATEL
Secy. P W. &. Elecy. Dept.

Secy PWD. No 1714 Date 13/3

Secy (WS&E)

14/3

MINISTER FOR PUBLIC WORKS
NO. 890
14 MAR 1968
BANGALORE.

25) 14/3
D. S. PWD (Irrgn). No 3961 Date 15.3.68

26) ISSUED
Dated 25/3/68

M. G. S.	Subject:	File No. 9
		Rv. 6 MMJ/68

WD 01050—GPB—8,00,000 13-12-6

26) No action is necessary on this file may be closed as 'B' Record

26.3.68

26/3

26/3/68

Rd 6 MM 68

Office of the Chief Engineer,
Irrigation South,
No.63, Palace Road, Bangalore-1.

No. VNC/TRT/124-41 FA-1

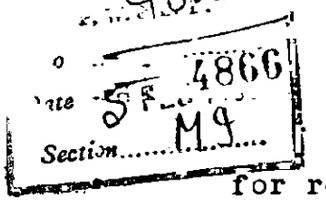
2-2-1968

To

The Secretary to Government,
Public Works Department,
Bangalore.

4882

Sir,



Sub:- Vijayanagar channels-Remodeling of Thurtha channel in Hopset taluk, Bellary district.

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The plans and Estimates amounting to Rs. 5.20 lakhs for remodelling of Thurtha Channel are herewith enclosed, as received from the Superintending Engineer, for favour of communicating Administrative approval of Government.

Major

KRS

31/1/68

Thurtha Channel, one of the Vijayanagar channels, is situated in Hospect taluk of Bellary District about 15 miles below Tungabhadra Dam. The Superintending Engineer, has reported that since the Anicut is overflowing the repairs required for the Anicut could not be assessed hence it has been proposed to prepare a separate estimate for repairs, if required to the Anicut and approach channel, after inspection during summer season. The Estimate now prepared for Rs. 5.20 lakhs is for remodelling the Thurtha Channel, which takes off from the head sluice situated at the end of approach channel and runs for a length of 10 M 2 F. commanding an ayacut of 2200 acres.

The present estimate provides for

1. Clearing sides and bed of channel from Jungles bushes and weeds.
2. Repairs to the existing Head regulator.
3. Desilting and resectioning of the channel.
4. Constructing pipe outlets with locking arrangement.
5. Constructing foot bridges and Cart bridges wherever necessary.
6. Providing Sopanams where very necessary.
7. Providing Inlets wherever necessary.
8. Construction of Grade and Profile walls.
9. Providing lining and revetment to the sides of channel to prevent leakages, wherever necessary.
10. Providing Distance and Boundary Stones.
11. Miscellaneous items such as repairs to shed for watchman, surveys during execution and a standing Wave Flume.

By remodelling the Thurtha Channel it will be possible to restore assured water supply to an ayacut of 2200 acres. The estimate is prepared based on D.S.R. for 1967-68 of Tungabhadra Project Circle, and works out to Rs. 237/- per acre.

No betterment levy is proposed, since the estimate merely provides for repairs and remodelling to the existing channel system in order to ensure that there is assured water supply to its existing Ayacut. Water rates as per rules in force will have to be collected from the Ayacutdars by the revenue Department.

I therefore request that Administrative approval of Government may kindly be obtained an communicated early.

D.A: Plans & Estimates
(3 Book lets)

Yours faithfully,

for Chief Engineer,
Irrigation South.

av.12

1.2.68.

PROCEEDINGS OF THE GOVERNMENT OF MYSORE.
Public Works Department.

Sub:-Vijayanagar Channels- Remodelling of Upper and Lower Gangavathi Channels in Raichur District - Estimate amounting to Rs. 11.26 lakhs - sanctions the -

Read:- 1) Correspondence ending with Letter No.VNC/ULG/3191-95, dated 9-12-1965 from the Chief Engineer, Irrigation Projects, Bangalore.

2) Government Letter No.PWD 33 MPR 65 dated 22-3-1966.

Preamble:-

The Chief Engineer, Irrigation Projects, Bangalore has forwarded an estimate amounting to Rs. 11.26 lakhs for remodelling of Upper and Lower Gangavathi Channels (Vijayanagar Channels) in the Raichur District. The Upper and Lower Gangavathi Channels, in Gangavathi Taluk, Raichur District take off from the respective anecuts across the Tungabhadra River to irrigate a total area of 3812 acres in the Gangavathi Taluk. The ayacut under the Upper Channel is 1920 acres and that under the Lower Channel is 1892 acres. At present the condition of the channels is bad. They are heavily silted. Jungle growth and bushes have come up on the banks, the bed width is not uniform and the banks are eroded. The total command under the two channels is 3812 acres with a crop pattern of 50% paddy and 50% sugarcane. Therefore, in the estimate amounting to Rs. 11.26 lakhs for remodelling of the Upper and Lower Gangavathi Channels, the undermentioned works are contemplated:-

1) Repairs to the existing head regulator.
2) Construction of a cross regulator.
3) Removal of Jungle and Weeds and resectioning of the channel.
4) Construction of Masonry sluices.
5) Providing roughstone revetment to the channels wherever necessary.
6) Murum lining.
7) Providing a service Road.
8) Construction of cart bridge.

The cost per acre of the area irrigated works out to Rs. 296/-. It is also stated that the estimate now sent is for remodelling the Upper and Lower Gangavathi channels only and estimates for repairing the two anicuts will be sent separately. The Chief Engineer has requested for administrative approval to the estimate amounting to . 11.26 lakhs.

There is a provision of Rs. 40,000/- for Remodelling Vijayanagar Channels in Bellary and Raichur Districts in the Budget for the year 1966-67 under "99 INE&D (Commercial)-A.Irrigation Works-Unproductive e.(ii)B. Works Under Minor Irrigation Programme".

ORDER NO.PWD 51 MMI 65
BANGALORE, DATED,18 MAY 1966.

Government are pleased to accord approval to the estimate amounting to Rs. 11,26,000/-(Rupees Eleven lakhs, twentysix thousand only) for remodelling the Upper and Lower Gangavathi Channels in the Raichur and Bellary District under the head of account 99 INE&D (Commercial)-A Irrigation Works - Unproductive- e (ii) B. Works under Minor Irrigation Programme". With the direction that the budget provision for the work should not be exceeded.

PTO

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2. Betterment Levy and water rate as per rules should be imposed on the ayacut under these channels.

By order and in the name of the
Governor of Mysore,

(S.K. Mohan),
Under Secretary to Government,
Public Works Department.

To

The Chief Engineer (General), Bangalore with plans and Estimates.

The Accountant General, Bangalore, through Finance Department.

Weekly Gazette.

PROCEEDINGS OF THE GOVERNMENT OF MYSORE

Sub:- Vijayanagar Channels-Estimate amounting to Rs.3.6 lakhs for remodelling Shivapur Channel in Raichur Dist-Accords revised administrative approval to the -

READ: 1. Government letter No.PWD 38 MMI 63 dated 6-1-64.
2. Correspondance ending with letter No.VNC/SVR/T-1/614/65-dated 23/26th July 1965 from the Chief Engineer, Investigation of Projects, Bangalore.

Preamble:-

In the letter dated 6-1-1964, read above, approval was accorded among other things, for repairs and remodelling of the Shivapur Anicut and channel in the Raichur District at a cost of Rs.8.75 lakhs, with the direction that the work be taken up after competent sanction to the estimate for it.

2.In this connection, the Chief Engineer has forwarded detailed plans and estimate amounting to Rs.3.6 lakhs for remodelling and repairs to the Shivapur ~~Canx~~ Channel in the *and. Raichur District/for feeding it from the Tunga Bhadra Project Left Bank Channel and has requested for approval of Government. It is stated that after the remodelling and repairs the scheme will give assured water supply to an area of 997 acres. This work is included in the Budget of the year 1965-66 with a provision of Rs.40,000/-.

3. The cost of remodelling and repairs to the Shivapur anicut and channels as indicated in Government letter dated 6-1-64 is Rs.8.75 lakhs. As against that the detailed estimate now got up by the Chief Engineer amounts to Rs.3.6 lakhs for remodelling the Shivapur Channel and for feeding it from the Tungabhadra project Left Bank canal system. It is therefore considered appropriateto accord revised administrative approval to the remodelling and repairs of the Shivapur channel and feeding it from t the Tungabhadra Project Left Bank Canal, on the bais of the detailed estimate now got up by the Chief Engineer.

ORDER NO. PWD 36 MMI 65, BANGALORE, DATED THE 25th OCTOBER 1965.

Government are pleased to accord revised administrative approval, under the head of account "99 I.N.E.& D.(Commercial) A.Irrigation Works-unproductive-a(ii)B.Works under Minor Irrigation Programme," for the remodelling and repairs of the Shivapur Channel and for feeding it from the Tunga Bhadra Project Left Bank Canal, at a total cost of Rs.3.6xLakhs(Rupees three lakhs and sixty thousand only), on the basis of the detailed estimate prepared by the Chief Engineer.

2. Betterment Levy and Water Rate on the area benefitted by the work will be lavied in accordance with the rules prescribed in this behalf.

By Order and in the name of the
Governor of Mysore,

M Channappa 22/10/65

(M.Channappa,)
Deputy Secretary to Government,
Public Works Department.

To:--
The Chief Engineer,Investigation of Projects, Bangalore with estimates & Plans.
The Chief Engineer, Irrigation Projects, Bangalore.
The Accountant General(Mysore), Bangalore. through F.D.,
The Superintending Engineer, Tungabhadra Project Circle, Munirabad.
Weekly Gazette.

bgn/21-10-65

PROCEEDINGS OF THE GOVERNMENT OF MYSORE

Sub: Vijayanagar channels - Kalaghatta channel in Hospet Taluk - Estimate amounting to Rs.2.04 lakhs for Remodelling and repairs - order regarding the-

READ:- Correspondence ending with letter No.WNC/KLG/671-72/TA1 dated 30-6-67 from the Chief,(IP), Bangalore.

Preamble:-

Kalaghatta channel is one of the Vijayanagar Channels in the Bellary District. It is situated about five miles below the Tungabhadra Dam in Hospet Taluk. This channel does not draw its supply direct from the river, but utilises the seepage and waste waters from the Raya channel and Bella channel by a pick up weir constructed across the halla near. Basavandurga village. The Kalaghatta Channel is four miles and one furlong in length and the area irrigated under it is 555 acres consisting of paddy and sugar cane in equal proportions. The pick up weir and the channel are in a dilapidated condition. The channel is overgrown with jungle and weeds and it is silted up. There are no proper controlling arrangements for districtuion of water and the sluices are dilapidated. Therefore, to remodel and repair the pick-up weir and the channel, to assure water supply to the existing ayacut, the Chief Engineer has forwarded an estimate amounting to Rs.2.04 lakhs for approval of Government.

ORDER NO.PWD 15 MMI 66, BANGALORE, DATED THE 19th SEPTEMBER,67.

Government are pleased to accord approval to the amounting to Rs.2.04 lakhs (Rupees two lakhs and four thousand only) for remodelling and repairs to the Kalaghatta channel in Hospet Taluk, Bellary District under the Head of account "99 Capital outlay on I.N.E.&.D. Works (Commercial)-A.Irrigation Works-unproductive-3(ii) B.Minor Irrigation - pick up channels -- Tungabhadra Project Circle - Remodelling of and repairs to Premoghul Anicuts and channels - 5. Remodelling Vijayanagar channels in Bellary and Raichur Districts."

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M. G. S. App. F VI—G. 2]

SUBJECT Vijayanagar Channels — Estimate amounting to Rs 5.20 Lakhs for remodelling of Thurinā Channel in Bellary Dist — Accord Administrative approval to and

Diary No. of letter replied to.....

Section

Serial No.

File No.

Mysore Government Secretariat

( )

the 196 .

Proceedings of the Government of Mysore

Date of issue.....196

Signed by.....

Read—

Dlr Letter No WRT/TRT/1240-41 TA-1. dated 2.2.1968 from the Chief Engineer. I.P(South) Bangalore.

May this be—

(i) printed?
(ii) treated as a Standing Order?
(iii) published in the Gazette, English Part?
(iv) translated?
(v) placed at the disposal of the Press?
(vi) published in the Gazette, Kannada Part?

Preamble:-

Order thereon—No.

The Chief Engineer has forwarded an estimate amounting to Rs 5.20 Lakhs for remodelling of Thurinā channel (Vijayanagar channel) in Bellary Dist. The Thurinā channel takes off from the head sluice situated at the end of the

approach channel and it is 10 miles 2 furlongs in length. Thick bushes and jungle have over grown at some places. The bed fall is not uniform, this obstructing the uniform flow. The channel is silted up also. The channel runs in hilly track with one bank formed on rocky boulders and out-crops. Heavy leaks are noticed at some places. It is difficult to force the required quantity of water to the tail end. The water for the water is drawn from sluices which have no proper controlling arrangements.

List of Enclosures.

The remodelling of the Taverna channel will ensure adequate water supply to all the fully developed area of 2200 acres ~~cultivated~~ with a crop pattern of 50% sugar cane and 50% paddy. Therefore in the estimate amounting

Copied by

Examined by

6

2. Betterment Levy and Water rates should be imposed on the ayacut under the channel in accordance with the provisions of the Mysore Irrigation (Levy of Betterment Contribution & Water Rate) Act 1957 as amended from time to time.

This issues with the concurrence of the Finance Department vide their U.O.No.FD.4124/67(W&S)I dated 9.8.67.

BY ORDER AND IN THE NAME OF THE GOVERNOR OF MYSORE,

(S.K.Mohan)
Under Secretary to Government,
Public Works Department(T)

To:-

1. The Chief Engineer(IP),South, Bangalore.with estimate, etc.,
2. The Divisional Commissioner, Gulbarga Division, Gulbarga.
3. The Accountant General, Mysore, Bangalore.
4. The Superintending Engineer, T.P.C., Munirabad.
5. The Deputy Commissioner, Bellary District, Bellary.
6. Copy to:- The Finance Department(Budget).
7. The Weekly Gazette.

/R.S.KUMAR:8.9./

M. G. S. App. F. G. 3].

MYSORE GOVERNMENT

SECRETARIAT.

(*Continuation sheet draft form*).

Rs 5.20 lakhs. for remodelling of the Thurka channel, the undermentioned works are contemplated.

1) Clearing sides and bed of channel from jungle bushes and weeds.

2) Repairs to the existing head Regulator

3) Desilting and reexcavating afflux channel.

4) Dismantling the existing dilapidated sluices and reconstructing them using pipe outlets and providing locking arrangements

5) Providing new Foot bridges in place of old dilapidated ones.

6) Providing new Cart Bridges in place of old and dilapidated ones

7) Providing Sparans where necessary.

8) Providing in-lets at suitable places to prevent silt getting into the channel.

VD 012117—GPB—1,00,000—7-3-63

9) Construction of Grade and Portable walls at 600 m interval along the Channel to define the section of canal.

10) Providing lining and revetment to the sides of channel to prevent leakages in the banks

11) Providing kutcha and boundary bunds and Service roads along the channel.

Order No. PWD 6 MM 168
dated - 3-1968

1) Government are pleased to accord approval to the estimate amounting to Rs 5.20 lakhs (in words) for remodelling the Tunga channel in Bellary Dist. under the Head of account 99 INE&D (Commercial) - A - Irrigation works - un productive - e (ii) B - minor Irrigation - Pick up Channels - Tunga project circle" subject to the following conditions.

M. G. S. App. F. G. 3].

MYSORE GOVERNMENT

SECRETARIAT.

(*Continuation sheet draft form*).

i) ~~The provision of Rs 5,000/-~~ made for permanent establishment will have to be deleted and the amount of the estimate reduced from Rs 5,20,000 to Rs 5,12,000/- Since such charges have to be met from the provision made ~~establishment~~ under appropriate major head

ii) Establishment levy and water rate should be recovered from the concerned ~~ashkar~~ dars ~~as mentioned~~ as per rules in force as was done in the case of other Vijaya nagar channels for which estimates for remodelling have been sanctioned.

2) ~~This~~ order issues with concurrence of the ~~Finance~~ Finance dept. vide their

WD 012117—GPB—1,00,000—7-3-63

12

No. 10324/W-1/68. dated

24.2.68.

B. O.

W/s to cover PWD(T)

24/3/68

To

1) The Chief Engineer. I. P(S) B' Zone
Visit estimate and plans etc.

2) The Divisional Commissioner.
Anantapur Division Anantapur

3) The Accountant General. Mysore B' Zone

4) The Superintending Engineer. T. P.C. Mannarkad

5) The Deputy Commissioner
Railway Unit Bellary

6) Copy W/o Finance Deptt (Budget)

7) The Weekly Statement

PROCEEDINGS OF THE GOVERNMENT OF MYSORE.
(Public Works Department)

Subject:- Vijayanagar Channels-- Remodelling of Thurtha Channel in Hospet Taluk, Bellary District -- Estimate for the -- orders on the --

Read :- Letter No. VNC/TRT/1240-41/TA-1 dated 2-2-1968 from the Chief Engineer, Irrigation, South, Bangalore.

Preamble:- It is reported that the Thurtha Channel in Bellary District is one of the Vijayanagar Channels. The Thurtha Anicut is situated in the Hospet Taluk, 15 miles down-stream of the Tungabhadra Dam. It is constructed across the right arm of the Tungabhdra river. There is an approach channel 4 furlongs in length leading to the Thurtha Channel head sluice.-- The channel bed width varies from 25 feet to 30 feet. ~~At present the capacity of the approach channel is more than the required capacity of in the channel~~. Improvements to the approach channel along with the remodelling work of the Thurtha Anicut are proposed to be taken up separately under a separate estimate to be got up.

The Thurtha Channel takes off from the head sluice situated at the end of the approach channel and it is ten miles two furlongs in length. Thick bushes and jungle have overgrown at some places. The bed-fall is not uniform, thus obstructing the uniform flow. The channel is silted up also. The channel runs in hilly tract with one bank formed on rocky boulders and out-crops. Heavy leaks are noticed at these places. It is difficult to force the required quantity of water to the tail-end. The water is drawn from the sluices which have no proper controlling arrangements. The registered ayacut under this channel is 2,200 acres. The crop pattern followed is perennial, 50% sugarcane and 50% paddy. To bring the Thurtha Channel into a satisfactory working condition by necessary remodelling and repair works, the Chief Engineer, I.P.(South) has forwarded an estimate amounting to Rs.5,20,000/-for approval of Government.

ORDER NO. PWD 6 MMI 68 Dated March 1968.

~~Government are pleased to accord~~

Government are pleased to accord approval to the

estimate ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~ for remodelling and repairs to the Thurtha Channel in Hospet Taluk for ~~xxxxxx~~ for a sum of Rs.5,12,000/-(in words), after ~~the~~ deletion of the provision ~~xxx~~ of Rs.8,000/- for permanent establishment, which will have to be met from the provision made for establishment under the appropriate major head.

2. The cost of the estimate is debitable to the provision of Rs.60,000/- in the current year's budget under " 99.I.N.E.& D (Commercial)-A. Irrigation works-Un-productive-e-(ii)-B.Minor Irrigation- Pick up Channels --.Tungabhadra Project Circle- Remodelling Vijayanagar Channels in Bellary & Raichur Districts".

3. The works contemplated in the estimate assure water supply to the ayacut under the Thurtha Channel. As such, Betterment Levy and Water rates should be imposed on the ayacut under the channel in accordance ~~xxxxxx~~ with the provisions of the Mysore Irrigation (Levy of Betterment Contribution and Water Rate) Act 1957 as amended from time to time.

4. This issues with the concurrence of the Finance Department vide their U.O.No.1034/W-I/68 dated 24-2-68.

By order etc.

Under Secy. to Govt.
P.W.D.(Tech)

To
The Divisional Commr. & Administrator, T.B.P. Gulberga.
The Chief Engineer Irrigation South, Bangalore with estimate and plans etc.
The Accountant Genl. (Mys) Bangalore.
The Superintending Engineer, Tungabhadra Project Circle, Munirabad.
The Deputy Commr. Bellary Dist. Bellary

Copy to:- Finance Dept (Budget)
Weekly Gazette.

PROCEEDINGS OF THE GOVERNMENT OF MYSORE,
(PUBLIC WORKS AND ELECTRICITY DEPARTMENT)

****

Subject:- Vijayanagar Channels -- Remodelling of Thurtha Channel in Hospet Taluk, Bellary District -- Estimate for the -- orders on the --

Read:- Letter No. VnC/TRT/1240-41/M-1 dated 2-2-1968 from the Chief Engineer, Irrigation (South), Bangalore.

-: O :-

PREAMBLE:-

It is reported that the Thurtha Channel in Bellary District is one of the Vijayanagar Channels. The Thurtha Anicut is situated in the Hospet Taluk, 15 miles down-stream of the Thungabhadra Dam. It is constructed across the right arm of the Thungabhadra river. There is an approach channel 4 furlongs in length leading to the Thurtha Channel head sluice. The channel bed width varies from 25 feet to 30 feet. Improvements to the approach channel along with the remodelling work of the Thurtha anicut are proposed be taken up separately under a separate estimate to be got up.

The thurtha Channel takes off from the head sluice situated at the end of the approach channel and it is ten miles two furlongs in length. Thick busnes and jungle have overgrown at some places. The bed-fall is not uniform, thus obstructing the uniform flow. The channel is silted up also. The Channel runs in hilly tract with one bank formed on rocky boulders and out-crops. Heavy leaks are noticed at these places. it is difficult to forcetthe required quantity of water to the tail-end. The water is drawn from the sluices which have no proper controlling arrangements. The registered ayacut under this channel is 2,200 acres. The crop pattern followed is perennial, 50% sugarcane and 50% paddy. To bring the thurtha Channel into a satisfactory working condition by necessary remodelling and repair works, the Chief Engineer, Irrigation Project (South) has forwarded an estimate amounting to Rs. 5,20,000/- for approval of Government.

ORDER NO. PWD 6 MMI 68, BANGALORE, DATED 21st MARCH, 1968.

Government are pleased to accord approval to the estimate for remodelling and repairs to the Thurtha Channel in Hospett Taluk for a sum of Rs.5,12,000/- (Rupees Five lakhs and Twelve thousand only) after deletion of the provision of Rs. 8,000/- for permanent establishment, which will have to be met from the provision made for establishment under the appropriate major head.

2. The cost of the estimate is debitable to the provision of Rs. 60,000/- in the current year's budget under " 99.I.N.I.& I (Commercial)-A. Irrigation Works-Un-productive-e-(ii)-B. Minor Irrigation - Pick up Channels -- Thungabhadra Project Circle - Remodelling Vijayanagar Channels in Bellary and Raichur Districts.

3. The works contemplated in the estimate assure water supply to the ayacut under the Thurtha Channel. As such, Betterment Levy and Water rates should be imposed on the ayacut under the channel in accordance with the provisions of the Mysore Irrigation (Levy Betterment Contribution and Water Rate) Act 1957 as amended from time to time.

.....2.

16

4. This issues with the concurrence of the Finance Department vide their U.O.No.1034/W-I/68 dated 24-2-1968.

BY ORDER AND IN THE NAME OF THE GOVERNOR OF MYSORE.

(S.K.MOHAN)
UNDER SECRETARY TO GOVERNMENT,
PUBLIC WORKS AND ELECTRICITY DEPARTMENT.

To:

The Divisional Commissioner and Administrator, Thunga Bhadra Project, Gulberga.
The Chief Engineer, Irriation (South), Bangalore with estimate and plans etc.,
The Accountant General, Mysore, Bangalore.
The Superintending Engineer, Tungabhadra Project Circle Munirabad.
The Deputy Commissioner, Bellary District, Bellary.

Copy to:-

Finance Department (Budget)
Weekly Gazette.

ISSUED
Dated 25/2/68

Prabhu/19368.

PROCEEDINGS OF THE GOVERNMENT OF MYSORE.
(PUBLIC WORKS AND ELECTRICITY DEPARTMENT)

****

Subject:- Vijayanagar Channels -- Remodelling of Thurtha Channel in Hospet Taluk, Bellary District -- Estimate for the -- orders on the --

Read:- Letter No. V.C/TRI/4240-41/M-1 dated 22-2-1968 from the Chief Engineer, Irrigation (South), Bangalore.

-: O :-

PREAMBLE:

It is reported that the Thurtha Channel in Bellary District is one of the Vijayanagar Channels. The Thurtha Anicut is situated in the Hospet Taluk, 15 miles down-stream of the Thungabhadra Dam. It is constructed across the right arm of the Thungabhadra river. There is an approach channel 4 furlongs in length leading to the Thurtha Channel head sluice. The channel bed width varies from 25 feet to 30 feet. Improvements to the approach channel along with the remodelling work of the Thurtha anicut are proposed be taken up separately under a separate estimate to be got up.

The thurtha Channel takes off from the head sluice situated at the end of the approach channel and it is ten miles two furlongs in length. Thick bushes and jungle have overgrown at some places. The bed-fall is not uniform, thus obstructing the uniform flow. The channel is silted up also. The Channel runs in hilly tract with one bank formed on rocky boulders and out-crops. Heavy leaks are noticed at these places. it is difficult to forcethe required quantity of water to the tail-end. The water is drawn from the sluices which have no proper controlling arrangements. The registered ayacut under this channel is 2,200 acres. The crop pattern followed is perennial, 50% sugarcane and 50% paddy. To bring the thurtha Channel into a satisfactory working condition by necessary remodelling and repair works, the Chief Engineer, Irrigation Project (South) has forwarded an estimate amounting to Rs. 5,20,000/- for approval of Government.

ORDER NO.PWD 6 MMI 68, BANGALORE, DATED 21st MARCH, 1968.

Government are pleased to accord approval to the estimate for remodelling and repairs to the Thurtha Channel in Hospet Taluk for a sum of Rs.5,12,000/- (Rupees Five lakhs and Twelve thousand only) after deletion of the provision of Rs. 8,000/- for permanent establishment, which will have to be met from the provision made for establishment under the appropriate major head.

2. The cost of the estimate is debitable to the provision of Rs. 60,000/- in the current year's budget under " 99.I.N.D.& D (Commercial)-A. Irrigation Works-Un-productive-e-(ii)-B. Minor Irrigation - Pick up Channels -- Thungabhadra Project Circle - Remodelling Vijayanagar Channels in Bellary and Raichur Districts"

3. The works contemplated in the estimate assure water supply to the ayacut under the Thurtha Channel. As such, Betterment Levy and Water rates should be imposed on the ayacut under the channel in accordance with the provisions of the Mysore Irrigation (Levy Betterment Contribution and Water Rate) Act 1957 as amended from time to time.

....2.

18

4. This issues with the concurrence of the Finance Department vide their U.O.No.1031/W-I/68 dated 24-2-1968.

BY ORDER AND IN THE NAME OF THE GOVERNOR OF MYSORE.

(S.K.MOHAN)
UNDER SECRETARY TO GOVERNMENT,
PUBLIC WORKS AND ELECTRICITY DEPARTMENT.

To:

The Divisional Commissioner and Administrator, Thungabhadra Project, Gulberga.
The Chief Engineer, Irriation (South), Bangalore with estimate and plans etc.,
The Accountant General, Mysore, Bangalore.
The Superintending Engineer, Tungabhadra Project Circle, Munirabad.
The Deputy Commissioner, Bellary District, Bellary.

Copy to:-

Finance Department (Budget).
Weekly Gazette.

Prabhu/19368.-

File No.....

MYSORE GOVERNMENT SECRETARIAT

Notes / Correspondence / Collection

Department.....Section.....

Subject :—

Earlier References :—

Later References :— PWD 21 MMA 71

12.3.1971

(Classification A / B / C)

Notes pages.....23.....
Correspondence pages.....47
For/Not for Section note Book
To be destroyed after.....

27-12-68
12-3-71

M. Sreenivasan 22/1/71
For Under Secretary to Government.

DOCKET SHEET

Department: PWD

File No. PWD 36 MMI 68.

Section Major Irrigation.

Volume:

SUBJECT

History of Irrigation projects in the State – Working of Regarding.

Number and date 1	To whom sent 2	Instructions 3
11-8-70.	Secy PWR.	
Secy. PWD. No 429 Date 12-8.	M (PWD) 17-8.	
		Secy. PWD. No 769 Date 9/3
Min. P.W. No. 997 Date 18/8.	C.M. 22-8-70.	
		Chief Min. No. 5249/70 26-10-70
		D. S. PWD (Irrgn). No Date
Chief Min. No. 3813 12/8/70	Secy PWD.	
		F 416 3/2/
		492/MO8/71
Chief Min. No. 3921 27/8/70	Secy P W E.	
		D. S. PWD (Irrgn). No F 430 Date 9/2
S. W. D (Irrg). 4114 Date 1-9-70	Major	
		517/MO8/71
7/9		S. PWD (Irrgn). No. F 443 Date 11/2.
6163		12-2-71. Secy PWR.
26-10-70	P.S. to C.M.	Secy. PWD. No 538 Date 18.2
		Joint Secy. F Secy PWD
Min. No. 482 9/2/71	Secy PWE	

[P T O.

M. G. S. | Subject: | File No. PB 36/MM/68.

Item no. 1 (Receipt) letter no. CE IH/SVP/42/CWPC. MISC/66-69 dated 26.12.68 from the CE, Investigation of Projects

NOTE 1

Submitted for perusal the letter of the CE, Investigation of Projects placed below w.r. to para 32 of the note in Volume I placed below and orders.

CE may be asked to indicate the organisation kept in this regard.

NOTE 2

A draft is put up.

ISSU...
Dated..2.1.69...dy.

NOTE 3

A reminder is put up.

ISSUED
Dated....4/2/69.dy

WD 01050—GPB—8,00,000 13-12-65

NOTE 4

Another reminder is put up.

Dated 20/2/69

NOTE 5

Another reminder is put up.

Issued
Dated 25/3/69

Serial no 2 (Receipt)

Letter no. CE IH/SVP/138/69. To dated 03.4.69 from the CE, Investigation of Projects.

NOTE 6

Submitted for perusal the leaf Contained Report of the CE, Investigation of Projects at Serial no 2 w.r.t. to NOTE 1 and orders.

M. G. S.	Subject:	File No.

NOTE.-7--

Please see page 1 of the file PWD 36 MMI 68 (Volume I) placed below. The Government of India have suggested therein that the history of Major irrigation and power projects costing Rs.20 crores or more which have recently been completed or are likely to be completed in the Fourth Five Year Plan may be compiled and for this purpose a separate Cell and additional staff may be proposed and that the expenditure for such separate Cell would be reimbursed by the Government of India. Please see also notes in paras 12-18 and 25-32 of the same file. The projects which have been completed or likely to be completed shortly are the Tungabhadra, Bhadra and Sharavathi Projects. In paras 15-18 it has been proposed that the history of Krishnarajasagar and Bhadra Projects may be prepared by Sri M.C.Sampath Iyengar on a contract basis. The Chief Engineer (Investigation) who had been asked to furnish his proposals in this regard has intimated that for writing history of projects which are in progress and or likely to be completed shortly, a Cell may be created in the office of the Chief Engineer concerned and the staff pattern required for this purpose may be obtained from the concerned Chief Engineer. However, as regards the projects already constructed, he has suggested that a separate Cell may be formed under a Special Officer and he has suggested the staff pattern with an annual expenditure of Rs.80,000/-. As regards the Sharavathi Valley Project, it has been stated that this report is being finalised by him and would be ~~ready~~ by the end of December 1969.

Tungabhadra and Bhadra are the projects which are in execution and likely to be completed shortly. Therefore, according to the Chief Engineer's view, separate Cell may be created under the concerned Chief Engineer after obtaining necessary particulars regarding the staff required from him. The K.R.S. is an old project and since the project is completed more than 30 years ago, it may not be possible to obtain any aid from the Government of India for writing its history. In this regard please see para 29 of the file PWD 36 MMI 68 (Volume I) placed below. Under the circumstances, the writing of the history of the Tungabhadra and Bhadra Projects may be entrusted to Sri M.C.Sampath Iyengar, Special Officer, with a monthly allowance of Rs.1,500/- and with theassistance of a Stenographer-cum-Typist and T.A. and D.A. etc. The period for writing of the history of these two projects may be fixed as one year, that is, six months for each project with a total expenditure of about Rs.25,000/-. The above proposal will be forwarded to the Government of India for their concurrence

DS)

4
26/9

Subject: File No. pwd 36 MM/68. M. GEN.

WD 01050—G9B—8,00,000 13-12-65

NOTES

Letter of CE (Gwn) Noted at page 7 ante (vide SL NO. 2) may please be perused wfr to the F.D's. Suggestion in para 25 ante in file NO P.WD 36. M. M I. 68 Noted below. The estimate of Rs 80000/- may please be seen before it is sent to G.O.I. for approval.

F.D)

26/VII/69.
D.S.(I)

NOTE 9

U.O.FD 503/W&S.I/69. Finance Dept.(W&S.I).

P.W.D. is requested to obtain the approval of the Government of India for the estimated expenditure of Rs.80,000 to be incurred on the proposed staff. After receipt of their concurrence, only the question of appointing suitable staff for the Cell may be considered by Government in P.W.D.

8/VII/69

(Approved by J.S.) (S.Abdul Wajid),
Under Secy.F.D.(W&S.)

P.W.D.) - See.

R. & I. SECTION
F. D.
No. 503 8/VII
D
Section W I

2169
R. & I. SECTION
P. W. & E. D.
No. 1 1 6
Date 8 MAY 70
Section

NOTE 10

A draft put up for Consideration.

for favour of orders.

8/5

DS/
Additional Secy P.WD

12/5

12/3/69

Draft approved with slight modifications. Regret

PTO

M. G. S.	Subject:	File No.

2) The proposal of the CE/IgP for the creation of a cell under the respective C.Es for sending a report as work proceeds is worth considering. If we make a separate representation, in continuation of the present one, making out a case for these cells, the GOI may perhaps come forward with some financial help. Therefore, we ascertain the annual requirements of the project CEs for this purpose and make out a case for the approval of GOI.

13/5/69

13/5/69

NOTE 12

Some of the suggestions are given in the draft notice. Please see note 11.

14/5

Issued on 14.5.69

NOTE 13

Notice draft is put up.

17/5

17/5

Issued on 21.5.69

Addl. Secy. PWD
No. 1778 Date 13/5

S. PV.D (Irrn)
No 2046 Date 13/5

WD 01050—GPB—8,00,000 13-12-65

NOTE 14

A reminder is put up.

24/6

24/6

Issued on 00.6.69.

Serial no. 3 (Receipt)

Letter no. Plg dated 18.6.69 from the CE(I)Pr.

NOTE 15

Submitted for perusal. Similar report called for from the CE(I)S will also be awaited.

Rems CW 502. — Rep. on extn of 17-5-69.

24/6

24/6

— 16 —

A draft is put up.

24/6

24/6

— Issued on 24/6/69 —

M. G. S.	Subject:	File No.

2931

Letter No- DR/HMP/1005 dated 30-6-69 from ~~the~~ Chief Engineer South Bangalore

-17-

PuO is for kind perusal.

The CE Irrigation (South) Bangalore with reference to this office letter No- PWD 36 MMI 68 dated 17-5-69 states that- Chairman, Central water and power Commission New Delhi, have already proposed for the Cochin ~~the~~ separate cell under special officer for writing their histories. Reply from the Chairman Central water power Commission New Delhi, is also expected in the month

If approved the Chairman Central water & power Commission New Delhi will be reminded in the matter

Draft letter is put up for kind appl

21/7/69

21/7

23/7

Serial no 4 (Issued) Reminder & Govt. order

WD 01050—GPH—8,00,000 12-12-65

-18-

Draft reminder is put up for approval

29/11/69

B. S. Sahay 1/12/69

Sl no 5 (Issued) on 4-12-69

Sl no 6 (Receipt)

No 23/99/71-TE, dated 25-2-70 from the Dy. Director, CWPC New Delhi

-19-

Submitted for perusal the Govt have called certain further particulars in respect of our proposal forwarded in letter dated 17-5-69 (P.13 C/F)

A report may be obtained from CE I (S). If approved CE I (N) may also be asked to furnish similar information in respect of his proposals at P 4 C/F. Draft letter is put up for approval

16/3/70

B. S. Sahay 16/3/70

24/3/70

A copy of the letter from Sri. M.C.S. Iyer may also be put to CE(E) for his remarks.

25/4

With ref to the above, a draft letter to the CE (E) is put up for appl.

B. S. Lady
25/4/70

25/4

25/4

27/4

Received on 27.5.70

SL NO 7 (Receipt)

-20-

No DR/RMP/TAP/69/1164. dated 25-5-20.
from CE1 (Comm) Bangalore.

Submitted for formal written reference to Given letter at Page 51 ante. A draft addressed EWSPC is kept below for approval.

B. S. Lady
27.5.70

MC
27/5/70

Note- 21

Please see notes 7 to 11 ante. The Central Water and Power Commission with their letter dated 25th February 1970 at page 46 CF. have asked for the details regarding the Special Cell proposed to be created for writing the history of the Tungabhadra and Bhadra reservoirs. The details called for by the C.W. & P.C. have been received from the Chief Engineer and it may be seen at page 56 to 65 CE. The same will be forwarded to the Central Water and Power Commission for agreeing to the same with a request that the entire amount required for writing up the history of the projects may be provided as Central Assistance.

This proposal of writing up the history of the old projects was suggested by the Government of India in their letter dated 10th September 1968 and therefore our request to them for making available the necessary financial assistance. While drawing up proposals for writing the histories of the projects, it has been decided that Sri M.C. Sampath Iyengar could be appointed for this work on a contract basis. Sri Sampath Iyengar has been repeatedly reminding for taking up this work and his letter dated 13th February 1970 may please be seen at page 52 CF. He has indicated therein that this work of writing the history of projects could be taken up from the funds available for the project work itself. ~~He has been constantly reminding for the same.~~ The finance Department in their note at para 25 of the file PWD 36 MMI 68 have indicated that the work of writing the histories of the projects may be taken up only after the approval of the Government of India is received. The approval of the Government of India would be for the assistance that they would provide for writing the histories of these projects. The writing of the histories of projects is an important matter and it is necessary that such histories are written early and in time before the written material is lost or not available due to lapse of time. The sanctioning of the proposal from the Government of India may involve time and may not be come in the near future. Therefore, it may perhaps be desirable in the first instance to entrust the work to Sri M.C.Sampath Iyengar appointing him as a Special Officer and provide him with the assistance of a Stenographer. He should be able to obtain all the necessary information and data from the various project offices and utilise the services of the staff working in those offices for the collection of the necessary material. We may agree to pay an Honorarium of Rs.1,500/- per month ~~only~~. The total annual expenditure perhaps would be of the order of Rs.1500 + Rs.400 = 1900 or say Rs.2000 per month including T.A. Etc. and altogether an amount of Rs.25,000 per annum would be required and within this period of one year, he will have to prepare and furnish to Government the project ~~reports~~ for Tungabhadra and Bhadra projects. After necessary particulars that are required by CW & PC are forwarded to them, the above proposal of appointing Sri M.C.Sampath Iyangar as Special Officer would be

sent to the Finance Department for concurrance.

Deputy ~~Secretary~~

Secretary PWD

(S.K.Mohan)
US. PWD (Tech)

Note-22.

The following points in respect of the case are revealed from a study of the files:-

(Page 1 to 4/c.f. in File No.PWD 36 MMI 68 - Vol.I).

1) The Government of India have suggested that the histories of Major Irrigation and Power Projects costing Rs.20 crores or more which have recently been completed or are likely to be completed in the 4th Five Year Plan may be compiled and for this purpose a separate Cell may be proposed and that the expenditure for such a Cell would be reimbursed by the Government of India.

(Para 12 to 25/n.f. in File No.PWD 36 MMI 68 - Vol.I).

2) The histories of Bhadra and Tungabhadra Projects have to be written and the work has to be entrusted to Shri M.C. Sampath Iyengar, Ex-Advisor, Assam State Electricity Board. A total remuneration of Rs.20,000/- in addition to pension is proposed to offered to Shri M.C. Sampath Iyengar and he will be assisted by a Stenographer in connection with this work.

(Page 13, 46 & 56 to 66 of this file).

3) An estimate of Rs.80,000 per annum to be incurred on the Staff engaged on this work was sent to the Central Water & Power Commission in May 1969 and it was returned with certain observations which have not been complied so far. The details required by the C.W. & P.C. have since been received from the Chief Engineer and the same would be forwarded to the C.W. & P.C. with a request to provide central assistance for this work.

4) The Finance Department have desired (Note No.9) that ~~for~~ approval of the Government of India for the estimated expenditure of Rs.80,000/- to be incurred for this work should be obtained first and on receipt of their ~~receipt~~ concurrence, the question of appointing suitable staff for the Cell should be considered.

It is expected that the approval from the Government of India for the financial assistance to this project would take some time. But, in the meanwhile, in order not to lose any more time in compiling the history of these projects, it is for consideration with the concurrence of Finance Department to appoint Shri.

p.t.o.

M.C. Sampath Iyengar on a pay of Rs.1,500/- p.m. and a Stenographer to assist him in connection with this work and to request him to start writing the history of the Bhadra and Tungabhadra Projects and submit them to Government in a complete manner within a period of one year. The cost of this work will be debited in the first instance to the respective project funds and suitable re-appropriation be made later on - on receipt of financial assistance from the Government of India.

11/8/70
(P.R. Nagendra Murthy)
D.S., PWD (Irrgn).

S.E. PWD (Irrgn). Dcco.

Secretary, PWD.

-23-

Having waited this long, we may as well send the detailed proposals to CWPC and get their okay within a couple of months.

24-

B. VARADAN, 17.8.70

Min(PW)
CM

K. LAKKAPPA Secy., P.W. & E. Dept.
Min. for Public Works

-25-

Can we expect any financial assistance from C.W.P.C in this matter? If not why should we send this proposal to them at all. The Question as to whom this work should be entrusted may be taken up seperately. I want to consult some of our senior engineers and eminent engineers of our state who are now retired

V. Patil
24/8.

(VEERENDRA PATIL)
Chief Minister.

Secy PWE

The following clarifications are offered with reference to Chief Minister's observations above.

In September 1968, Government of India suggested the preparation of reports on Projects costing more than Rs.20 crores. Towards the purpose, they suggested creation of a separate cell or staff comprising a senior engineer, assistants and subordinate technical and other staff. They wanted us to send an estimate for consideration by the Government of India for reimbursement. Accordingly, an estimate of Rs. 80,000 was sent. They have sought for certain clarifications on the estimates. These are being forwarded to them. We are asking them to fully finance the scheme.

Shri Sampath Iyengar had offered to do this job and a decision was taken on 30-10-1968 that he may be appointed to co-ordinate the work vide orders of Chief Minister at para 20 in File No. PWD 36 MMI 68 placed below. The Finance Department advised that we may not appoint the staff including Shri Iyengar unless Govt. of India agrees to reimburse the entire expenditure as per approved estimates.

We may, therefore, await ~~for~~ the assurance of full reimbursement from Government of India on the basis of our estimate with the additional information now being sent. If Chief Minister wants to review the decision regarding the appointment of Shri Iyengar, arrangements will be made for some of the senior Engineers and retired Engineers to meet him for consultation. This may await the final reply from Govt. of India regarding financial assistance.

As regards the report on the Sharavathi Power Project is concerned, Shri Aswathanarayana Setty is already doing the job as part of his responsibility as Adviser to Govt.

S. Varadan 27/8/70
(S. Varadan)

C.M.
---- 28/8

(VEERENDRA PATIL)
Chief Minister.

Secy PWD

31/8

DS (I)

UST 1/9/70

-28-

The proposals are already received from the
QE (Comm) with no further [illegible].

-29-

yes

Dy
1/9

DS
6/9/70

Dy
9/9

Issued on 14-9-70

-30-

The submitted no demand

Dy
24/9

Received
21/9

-31-.

To A copy of the letter written to
Mr. Sampathirangan, in accordance with the
CVC's instructions, has been placed on the
file

Dy
28-10-70

Secy PWD.

Dy
28/10

DS
28/10/70

Secy. PWD.
No 5561 Date 28.10

4736/DS1/70

Sri RPK
31/10/70

Dy
31/10

Draft reminder letter is put up for approval

B. S. Sarkar
3/XI/70

2 DS 4/11/70

4
9/11

Issued on 7-11-70

Letter dated 10-11-70 from Shri R. C. Sampath Iyengar, Kallimaran, Bangalore

33

Letter from Sri Sampath Iyengar is for perusal. He has stated that for a claim have not agreed to our proposal for incurring expenditure on writing the history of Rajaji projects. We have not yet received the official communication from the Govt of India. For consideration whether a reply may be awaited from the Govt. of India or may be reminded on 7-11-70

B. S. Sarkar
20/11/70

DS 18/11/70 We may await a reply from GoI.

DS) -34- 4
29/11

Yes. A reminder may be issued to ewpc under my signature.

DS 12/12/70

4
14/12

P.T.O

- 35 -

Draft is put up for approval

15/12/70

B.S. Sarkar
15/12/70

Issued on 22-12-70

Letter no. 23/99/70-TE, dated 8-12-70, from the Dy director (TE) C.W & P.C. New Delhi

- 36 -

Submitted for perusal. Further report will be awaited

23/12/70

B.S. Sarkar

Reminder sent after a month.

24/12

- 37 -

Draft reminder is put up for approval

19/1/71

Issue
28/1/71.

B.S. Sarkar
19/1/71

Not issued since reply received from Govt. of India

No DW-II-28 (84) 70, dated 21-1-71, from the Under Secretary to the Govt of India, Ministry of Irrigation & Power, New Delhi.

- 38 -

Submitted for perusal.

p 13 ct

Govt. letter dated 17-5-69, a scheme was sent to Govt. for writing the history of Tungabhadra and Bhadra project at a cost of Rs 80,000/-.

In letter dated 25-2-70, the Govt. called for details of ~~the~~ the various components & works and other details. In letter dated 25-5-70. while furnishing the details required by the Govt. of India ~~the~~ stated that the due to shortage of the work involved, two years would be required and the total amount required would be Rs 2,33,000/- Accordingly the Govt. was addressed in our letter dated 7-11-70.

p 66 ct

NOW the Govt. have sanctioned only Rs 80,000/-, as originally requested by the State Govt in letter dated 17-5-69 and have stated that the work should be completed within one year of its commencement. They have agreed to release Rs 44,000/- during 1970-71 and the balance Rs 36,000/- during 1971-72

p. 109 ct

Submitted for orders ~~which~~ with reference to note 21 ~~above~~ to 26 ante

B.S. Sastry
29/1/71

29/1/71

Note-39.

Please see Notes 21-27 ante. The Govt. of India have now communicated with their letter dated 21-1-71 at Page 109/c.f., their acceptance to the proposal of creating a Special Cell for writing the history of Tungabhadra and Bhadra Projects at an estimated cost of Rs.80,000/-. Out of this central assistance to the extent of Rs.80,000/- is proposed to be made available. During 1970-71 an extent of Rs.14,000/- is proposed to be given and during 1971-72 the balance amount of Rs.56,000/- is agreed to be given.

This estimate of Rs.80,000/- for this work is as per the proposals sent to Central Water & Power Commission in May 1969 (Page 13/c.f.) which is based on the proposals of Chief Engineer, Investigation at Page 7/c.f. As per these proposals, the following staff will have to be created for a period of 12 months.

1. Special Officer. -- One.
2. Assistant Engineers. -- Two.
3. Junior Engineers -- Four
4. Stenographer --One
5. Typists -- Two
6. First Division Clerks-- Two
7. Second Division Clerks- Two
8. Peons. -- Four

At Note 25, the Chief Minister has minuted that the question as to whom this work (of preparing the history of projects) should be entrusted may be taken up - separately and that he desired to consult some of our Senior Engineers and eminent Engineers of our State who are now retired.

Previously, it was proposed to entrust this work to Sri M.C. SampathaIyengar, Retired Superintending - Engineer.

As Govt. of India have indicated an allotment of Rs.14,000/- as central assistance to this Scheme during 1970-71, it is necessary that the Special Cell consisting of the Staff indicated above is created immediately. The Special Cell could work under the Chief Engineer, Irrigation (South), as both the Tungabhadra Project and Bhadra Project come under that Zone. The above proposals may be agreed to by the Finance Dept.

DS(2) / DS(S) / FD

Note-40.

For perusal of Note 39 and also the letter dated 21-1-1971 (vide Page 109/cf) from the Ministry of Irrigation and Power addressed to the Secretary to Govt., P.W.D. regarding the acceptance of the proposal of the Govt. of Mysore regarding the writing of the history of Tungabhadra and Bhadra Projects at an estimated cost of Rs.80,000/-.

I remember that the history of the Bhadra Project has already been written up (in manuscript) by one Shri M. Suryanarayanan, Executive Engineer, who was working in the Bhadra Reservoir Project. This may be either with the Superintending Engineer, Bhadra Project, or may be with the Chief Engineer, Irrigation (South). This report may have to be looked into and updated.

In respect of Tungabhadra Project, the history has to be written up., Since no attempts have been made previously.

In view of the Minute of the Chief Minister in Para 25, the matter have to be discussed with the Chief Engineer, Irrigation (South)and other Senior Engineers of our State and decision taken on this issue.

3/2/71

(M. Channappa)
D.S.,PWD (Irrgn).

Secretary,PWD: -41-

A meeting in above fixed.

-42-

P.S. to C.M. may kindly indicate the date and time and also the person to be invited for that meeting.

9/2/71

P.S. to C.M).

-43-

CM may kindly see his noting at Note 25. It would be expedient to fix a meeting before the middle of March.

9.2.71.

-44-

9/2.

(VEERENDRA PATIL)
Chief Minister.

10/2/71

Secy PWD

-45-

Since GoI. have indicated an allotment of Rs 14,000/- during the current year for this work

it would be necessary to take a decision in the matter early in June.

- 46 -

DS7 The matter may have to be discussed with [illegible] the CE(I) South and Adviser, Irrigation and power and draft proposals prepared before the matter is discussed with C.M. and final decision taken on this issue.

Secy. P.W.D) 12/2/71

— 47 —

A meeting may be fixed with C.E. I.R.(S) and Dy. Irr.

Chandigarh 16/2

- 48 -

I have Consulted the Adviser. I & P. and also CE (I) South office. The meeting date is fixed as 20/2/71 @ 10.30 AM. The dictated letter may issue.

17/2/71.

17-2-71

The proposed meeting was held in the Chambers of the Secretary to Government, C & I Department, The Adviser for Irrigation and Power and CE Irrigation(South) were present.

On discussion, it was agreed to,

(i) ~~for~~ the creation of a Cell for writing the history of Tungabhadra and Bhadra Projects,

(ii) the cell to be under the Administrative control of CE,I(S)

(iii) the history ~~of~~ the projects should contain details of the difficulties, problems (~~both~~ technical as well as administrative) met with during the course of execution of projects and also the solutions found, mistakes commited if any as revealed by the advance ~~of technical~~ Technology as at present, construction drawings as per actual execution of the work, ~~and~~ other interesting details of the project should also be incorporated in full.

(iv) The draft prepared by the cell is to be periodically reviewed by a small committee consisting of the Adviser, I & P CE Irrgn(South). ~~and the Spl officer of the Cell.~~

It was aggeed to have the following staff for the proposed cell, for a period of one year.

cntd..

1.	Specail Officer (Executive Engineer's) Scale of pay	.. One
2.	Assistant Engineers	.. Two
3.	Junior Engineers	.. ~~Four~~ Two.
4.	Draftsman	.. One
5.	Stenographer	.. One
6.	Typist	.. One
7.	Peons	.. Two

~~The~~ A proposition statement in respect of of the above staff indicating the annual expenditure is placed at page .113..of the CF. Government of India in their letter dated 21-1-1971 at page 109 have approved the Proposal of State Govt for writing ~~of~~ history of ~~TB~~ Tungabhadra and Bhadra projects at an estimated cost of Rs.80,000/- and have also allocated Rs.14,000/- as grants-in-aid for the year 1970-71. They have also indicated that the balance of Rs.56,000/- would be released during the year 1971-72. The balance of 10,000 will have to be met by the State Govt under Tungabhadra Project funds for 71-72.

In view of the above, Finance Department may kindly agree for sanction the Special Cell with the staff as indicated in the proposition statement.

P.D 13 Sec 71

Secy. PWD

Sri N.S.Bharat,
Joint Secy.

20/2/71.

-50- DSI

The proposal may be agreed.

-51- Chand Opar

If D. has no objection. 20/2

Secy PWD / Ms 20/2 IS

Reference paras 50-51. ante.

1) Draft G.O. is put up for consideration
D/S) -53-

2) In view of urgency the G.O. may issue. The file may be submitted to C.M. after issue.

22/2.

G.O. issued on 22-2-71.

[Para 135 col 71]

orders issued and the file is

resubmitted as desired in prepara.

For perusal

1/3/71

2/3

C.M.

(VEERENDRA PATIL)
Chief Minister.

Secy PWE

9/3/71

This file may be transferred to Services (A&B)

11/3/71

Hyn closed. Recd B

11/3

117

TELEGRAM STATE EXPRESS

SECRETARY
PUBLIC WORKS IRRIGATION DEPARTMENT
MYSORE.

REFLET MINISTRY IRRIGATION POWER JANUARY TWENTY FIRST AND OUR FEBRUARY FIFTH REGARDING ALLOTMENT WRITING HISTORY OF MAJOR PROJECTS (.) INFORM FINAL REQUIREMENT FOR 1970 - 71 AGAINST FOURTEEN THOUSAND ALLOTMENT (.)

13263

CWPC

Not to be telegraphed:

(N.K. Agrawal)
Director - TE.

No.23/99/71-TE
Government of India
Central Water & Power Commission
(Water Wing)

New Delhi-11, the 22.3.1971.

Confirmation copy forwarded to the Secretary to the Government of Mysore, Public Works-Irrigation Department, Bangalore with reference to the Government of India, Ministry of Irrigation and Power letter No.DW.II-28(84)/70-TE dated 21.1.1971, thereby allotting a sum of Rs.14,000/- during the year 1970-71, as the Central Assistance in the form of grants-in-aid for writing the history of Tungabhadra and Bhadra Projects. It is requested that the figures for the final requirement of the funds against this allotment may kindly be informed immediately to this office.

2. Copy forwarded to Accounts Officer, CWPC for information.

(N.K. Agrawal) 22/3/71
Director-TE.

This may be marked to Services (A&B). Since orders have been issued in this behalf from Services (A&B) Page 1114/z PWD 36 HM 68 - This may be placed in the file.

k

GOVERNMENT OF MYSORE

116

No.PWD 36 MMI 68

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore. Dated: 17 Feb'71.

M_E_M_O.

Sub: History of Major Projects - Irrigation and Power Sector - Preparation of -

o-:-o

A Meeting of the *marginally noted Officers is proposed to be held on 20-2-71 @ 10-30 a.m. in the Chambers of the Secretary to Government, Commerce and Industries Department to discuss the matters relating to creating a Special Cell for writing the history of Tungabhadra and Bhadra Project and utilising the grant of Rs.14,000/- sanctioned by Government of India as Grants-in-Aid for the above purpose for the year 1970-71.

* 1) Secretary to Government, Public Works and Elecy., Department.
2) Advisor, Irrigation & Power.
3) Chief Engineer, Irrigation (South), Bangalore.

The Government of India have communicated that a central assistance to an extent of Rs.70,000/- will be made available to the State Government for completion of the Pilot Projects, during the year 1970-71 and 1971-72. A copy of the letter of the Government of India is enclosed for reference.

for information

M. Channappa 17/2/71.
(M.CHANNAPPA)
Deputy Secretary to Government,
Public Works & Elecy.Department.

To

1) Personal Assistant to Secretary, Public Works and Electricity Department for information.
2) Advisor, Irrigation & Power, Anandarao Circle, Bangalore.
3) The Chief Engineer, Irrigation(South), Bangalore.

Kn/* 17/2

MOST IMMEDIATE

No.DW.II-28(84)/70
GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER

New Delhi, the 21st January 1971.

The Secretary to the Government of Mysore,
Public Works & Irrigation Department, Bangalore.

Subject:-History of Major Projects-Irrigation & Power Sector-Preparation of.

Sir,

I am directed to refer to your letter No.PWD 36 MMI 68 dated 17th May 1969 addressed to the Chairman, Central Water and Power Commission(Water Wing), New Delhi and to say that the President is pleased to accept the proposal of the Government of Mysore for creating a Special Cell for writing the history of Tungabhadra and Bhadra Projects at an estimated cost of Rs.80,000(Rupees Eighty thousand only). The amount of Central assistance to the extent of Rs.70,000(Rupees Seventy thousand only) will be made available to the State Government for the completion of the pilot project during the years 1970-71 and 1971-72 and it will be subject to the condition that the work is completed within one year of its commencement.

2. During the year 1970-71, the Central assistance in the form of grants-in-aid not exceeding Rs.14,000 (Rupees fourteen thousand only) will be paid to the State Government on furnishing the following certificates to the Government of India;

i) The amount has been spent for the purpose for which it was sanctioned.

ii) A separate account has been maintained in respect of this grant.

iii) The officer and staff are employed on "as and when required basis.

3. The Central assistance for the balance amount of Rs.56,000/- (Rupees Fiftysix thousand only) would be released during the year 1971-72 and total assistance will not exceed the expenditure incurrued by the State Government on this scheme.

4. The Central assistance is debitable to the Major head 74. Grants-in-aid to State and Union Territories B.Other Grants-in-aid to State Governments under the Demand No.26-Grants-in-Aid to Stat and Union Territories.

5. The State Government is requested to take immediate action to create Special Cells in the Irrigation Department to compile the history of the Projects referred to in para 1 above so that the work is completed within stipulated time. The action taken in this regard may kindly be intimated to this Ministry in due course.

6. The receipt of this letter may kindly be acknowledged.

Yours faithfully,

Sd/-
(R.R.BOSE),
Under Secretary to Government of India

"COPY"

BRG.17-2-71

PROCEEDINGS OF THE GOVERNMENT OF MYSORE.

Public Works & Electricity Department.

Sub:- Creation of a "Special Cell" for writing the history of Tungabhadra and Bhadra Projects - Sanction the.

Ref:- (1) Correspondence ending with letter No.PW/EMP/TAP/69/1164, dated dated 25-6-70 of the Chief Engineer, Irrigation (South), Bangalore.

(2) Correspondence ending with letter No.IW.11-28(84)/70 dated 21-1-71 of the Secretary to the Government of India, Ministry of Irrigation and Power, New Delhi.

ORDER NO.PAD 15 SCO 71, BANGALORE, DATED, 22nd FEBRUARY 1971.

The Government of India, Ministry of Irrigation and Power, New Delhi in their letter cited at (2) above have communicated their acceptance to the proposal of State Government for creating a Special Cell for writing the history history of Tungabhadra and Bhadra Projects at an estimated cost of Rs.90,000/- and have also allocated Rs.14,000/- as grants-in-aid for the year 1970-71 against a total grant-in-aid of Rs.70,000/- stated that the balance of Rs.56,000/- of the grant-in-aid would be released during the year 1971-72. The remaining expenditure of Rs.10,000/- will have to be met by the State Government under Tungabhadra Project funds for 1971-72.

The Governor of Mysore is pleased to accord sanction for the creation of a "Special Cell" in the office of the Chief Engineer, Irrigation(South), Bangalore, with the following staff for a priod of one year from the date of entertainment.

1. Special Officer (in the rank of Executive Engineer).	..	One
2. Assistant Engineers.	..	Two
3. Junior Engineers.	..	Two
4. Draughtsman	..	One
5. Stenographer	..	One
6. Typist, Grade II.	..	One
7. Peons.	..	Two

The staff shall be entertained as and when required. The total expenditure in this behalf inclusive of the grant-in-aid from the Government of India should not exceed Rs.90,000/- (Rs. Ninety thousand only) including T.A. Contingencies and equipment etc. The Central Assistance is debitable to the Major Head "74 Grants-in-aid to State and Union Territories B. Other Grants-in-aid to State Governments under the Demand No.26 - Grants-in-aid to States and Union Territories". A separate account should be maintained for this grant.

This issues with the concurrence of the Finance Department vide their No.FD/J I/2454/71 dated 20-2-1971.

(C. [illegible] RAO),
Under Secretary to Government,
P.W. & E. Dept.(Services-III).

To
The Chief Engineer, Irrigation (South), Bangalore.
The Accountant General, Mysore, Bangalore.
The Secretary to the Govt. of India, Ministry of Irrigation & Power Shramshakti New Delhi.
Copy to: The Private Secretary to the Chief Minister.
The Deputy Secretary, P.W.D.(Irrigation).
The Chief Engineer, Communications & Buildings, Bangalore.
Finance Dept.(Budget).
Spare copy.

mrs(11).

PROPOSITION STATEMENT IN RESPECT OF THE STAFF OF THE "SPECIAL CELL" FOR WRITING THE HISTORY OF BHADRA AND TUNGABHADRA PROJECTS.

Sl. No.	Designation	Scale of pay	No. of posts.	Average cost	D.A.	Total
1	2	3	4	5	6	7
		Rs.		Rs.	Rs.	Rs-
1.	Special Officer (in Ex.Engineer's ~~scale~~) scale pay	700-1100	1	920	120	1040
2.	Asst.Engineer	350-900	2	630	120	1500
3.	Junior Engineers	275-550	2	432	160	1184
4.	Stenographer	160-350	1	260	146	406
5.	Typist	90-200	1	135	98	233
6.	Draftsman	175-450	1	312	146	458
7.	Peon	65-95	2	82	71	306
	Total		12	2771	861	5027 ~~6211~~

For one month		Rs. 5027
HRA and CCA on average pay		Rs. 673
Total per month	--	Rs.5700
For one year	--	Rs.68,400
T.A. etc in lumpsum	--	Rs. 3,600
Contingencies and equipment	--	Rs. 8,000
Grand Total		Rs.80,000

GOVERNMENT OF MYSORE

No.PWD 36 MMI 68

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore. Dated: 17 Feb'71.

M_E_M_O.

Sub: History of Major Projects - Irrigation and Power Sector - Preparation of -

o-:-o

A Meeting of the *marginally noted Officers is proposed to be held on 20-2-71 @ 10-30 a.m. in the Chambers of the Secretary to Government, Commerce and Industries Department to discuss the matters relating to creating a Special Cell for writing the history of Tungabhadra and Bhadra Project and utilising the grant of Rs.14,000/- sanctioned by Government of India as Grants-in-Aid for the above purpose for the year 1970-71.

* 1) Secretary to Government, Public Works and Elecy., Department.
2) Advisor, Irrigation & Power.
3) Chief Engineer, Irrigation (South), Bangalore.

The Government of India have communicated that central assistance to an extent of Rs.70,000/- will be made available to the State Government for completion of the Pilot Projects, during the year 1970-71 and 1971-72. A copy of the letter of the Government of India is enclosed for reference.

M. Channappa 17/2/71.
(M.CHANNAPPA)
Deputy Secretary to Government,
Public Works & Elecy.Department.

Issued
Dated.....To 17/2

1) Personal Assistant to Secretary, Public Works and Electricity Department for information.
2) Advisor, Irrigation & Power, Anandarao Circle, Bangalore.
3) The Chief Engineer, Irrigation(South), Bangalore.

Kn/* 17/2

Draft. 110

No.PWD 36 MMI 68

M E M O .

Sub:- History of Major Projects - Irrigation and Power Sector - Preparation of -

---

A Meeting of the *marginally noted Officers is proposed to be held on 20-2-71 @ 10·30 AM in the Chambers of the Secretary to Govt., Commerce & Industries Dept. to discuss the matters relating to ~~the~~ creating a Special Cell for writing the history of Tungabhadra and Bhadra Project and utilising the grant of ~~Rs.xx,xxx/-~~ Rs.14,000/- sanctioned by Govt. of India as Grants-in-Aid for the above purpose for the year 1970-71, ~~at 10-30 A.M. on 20-2-1971~~.

1) Secretary to Govt., P.W. & E. Dept.
2) Advisor, Irrigation & Power.
3) Chief Engineer, Irrigation (South).

The Govt. of India have communicated that a central assistance to an extent of Rs.70,000/- will be made available to the State Govt. for completion of the ~~prior~~ pilot projects, during the year 1970-71 and 1971-72. A Copy of the letter of the Govt. of India is enclosed for reference.

Encl. Page 109 Cf.

17/2/71.

D.S., PWD (Irrgn).

Copy to:

1) P.A. to Secretary, P.W.& E. for information.
2) Advisor, Irrigation & Power, Anandarao Circle, Bangalore.
3) C.E. IP. (South), Bangalore.

109

425

MOST IMMEDIATE

No.DW.II-28(84)/70
GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER
*****
New Delhi, the 21st January, 1971.

The Secretary to the Government of Mysore,
Public Works & Irrigation Department,
Bangalore.

Subject: History of Major Projects - Irrigation & Power Sector - Preparation of-

.....

Sir,

I am directed to refer to your letter No.PWD 36.MYI 68 dated 17th May 1969 addressed to the Chairman, Central Water & Power Commission(Water Wing), New Delhi and to say that the President is pleased to accept the proposal of the Government of Mysore for creating a Special Cell for writing the history of Tungabhadra and Bhadra Projects at an estimated cost of Rs.80,000 (Rupees eighty thousand only). The amount of Central assistance to the extent of Rs.70,000 (Rupees seventy thousand only) will be made available to the State Government for the completion of the pilot project during the years 1970-71 and 1971-72 and it will be subject to the condition that the work is completed within one year of its commencement.

2. During the year 1970-71, the Central assistance in the form of grants-in-aid not exceeding Rs.14,000 (Rupees fourteen thousands only) will be paid to the State Government on furnishing the following certificates to the Government of India:

i) The amount has been spent for the purpose for which it was sanctioned.

ii) A separate account has been maintained in respect of this grant.

iii) The officer and staff are employed on "as and when required" basis.

3. The Central assistance for the balance amount of Rs.56,000 (Rupees fifty-six thousand only) would be released during the year 1971-72 and total assistance will not exceed the expenditure incurred by the State Government on this scheme.

4. The Central assistance is debitable to the Major head 74.Grants-in-aid to State and Union Territories B.Other Grants-in-Aid to State Governments under the Demand No.26 - Grants-in-Aid to States and Union Territories.

5. The State Government is requested to take immediate action to create Special Cells in the Irrigation Department to compile the history of the Projects referred to in para.1 above so that the work is completed within stipulated time. The action taken in this regard may kindly be intimated to this Ministry in due course.

....2/-

6. The receipt of this letter may kindly be acknowledged.

Yours faithfully,

(P.R. Bose)
Under Secretary to the Government of India

Copy forwarded to:-

1. Central Water & Power Commission(Water Wing), (Shri N.K. Agarwal, Director(TM)), New Delhi.
2. Ministry of Finance(I&P), New Delhi.
3. Planning Commission(I&P Division), New Delhi.
4. Policy Section.
5. B & A Section.
6. DV.I Section.
7. Accountant General, Mysore, Bangalore.

(P.R. Bose)
Under Secretary to the Government of India.

B.S./21.1.

1992

To

The Deputy Director (TE),
C.W & P.C
(Locating wing)
Govt of India,
New Delhi

Sir,

Sub:- History of major projects - Irrigation and power Sector - preparation of ... regarding

I am directed to refer to this Govt. letter of even no dated 14-9-70 and your letter no. 23/99/70-TE, dated 8-12-70 and to enquire whether a decision has been taken in the matter

28/1/71.

Dy. Director
Pers
W

105

5717

R. & J. SECTION
Irrig. Deptt.
71905

No. 23/99/70-TE
Government of India
Central Water & Power Commission
(Water Wing)
- - - - -

New Delhi, dated the 8 Dec. 1970.

To

The Under Secretary to Govt.,
Public Works & Electricity Department,
Mysore Govt. Sectt.,
Vindhan Soudha,
BANGALORE.

Sub:- History of Major Projects - Irrigation and Power Secto
Preparation of regarding.
- - - -

Sir,

I am directed to invite a reference to your letter No. PWD 36 MMI 68 dated 7-11-70 and to inform that the scheme of writing the history of Parambikulam Aliyar project is under consideration of the Government of India. The Central Assistance desired for the purpose may be available only after a decision has been taken in the matter.

Yours faithfully,

(M.D. DUBE)
Dy. Director (TE).

GOVERNMENT OF MYSORE

\ 63

No. PWD 36 MMI 68. MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 22nd Dec. 1970.

FROM

The *Secretary to the Government of Mysore,*
Public Works & Electricity Department.

To.

The Deputy Director,
Central Water & Power Commission,
Government of India,
NEW DELHI

Sir,

Sub:- History of Major Project Irrigation and power Sector - preparation of History of Tungabhadra and Bhadra Reservoir Project.

I am directed to refer to this Government letter of even number dated 14-9-70 and the subsequent reminder dated 7-11-1970 on the subject mentioned above and to request you kindly to obtain and communicate approval of Government of India early.

Yours faithfully,
19/12
(R.P. KAPOOR)
(S.K. [illegible]),
Under Secretary to Government,
Public Works & Elecy., Deptt.,

Issued
Dated 22/12

mr/17/-.

PWD 36 MMD 68

To

The Deputy Director,
Central Water & Power Commission,
Govt. of India,
New Delhi

Sir,

Sub:- History of Major Projects - Irrigation and Power Sector - Preparation of History of Tungabhadra and Bhadra Reservoir project.

I am directed to refer to this Govt. letter of even no. dated 14-9-70 and the subsequent reminder dated 7-11-70 on the subject mentioned above and to request you kindly to obtain and communicate approval of Govt of India early

D/s to Govt
P.W.D

M. C. SAMPATHIENGAR, B.E.,
Ex ADVISER, PLANNING AND INVESTIGATIONS
ASSAM STATE ELECTRICITY BOARD
Phone: 3190

M. C. Sampath Iyengar. B.E.
9, Fifth Main Road
Malleswaram,
Bangalore-3, India

10th Novr. 1970

Dear Shri Varadan:

Sub: Writing the history of Major Irrigation and Power Projects.

Ref: D.O. Letter No. CH II 2773/70 dated Bangalore 27/10/70 from Shri J.C. Lynn, Private Secretary to the Chief Minister of Mysore addressed to me.

5248
6657 3

On being informed by Shri J.C. Lynn in his D.O. letter cited above, that Mysore Government had decided not to go ahead with the above named work, until it received an assurance from the Central Government that the expenditure incurred on this programme would be reimbursed by the Union Government, I contacted the Central Water and Pwwer Commission authorities with a view to get the required assurance from them; and I now understand on very reliable authority, that the Ministry of Finance of the Central Government have not agreed, even after the recommendations of their Ministry of Irrigation and Power, for the allocation of funds for this work from the Central Section, as they consider that the work has to be done by the State Government themselves.

I personally feel that the expenditure on this work, being a legitimate charge on the projects, the cost thereof should be met from the concerned project funds only. The amount involved being not much, it is felt that there will not be any great difficulty in finding money for this from the year's allotment for the project construction. I therefore request you to kindly obtain orders of the Government for (1) meeting the cost of this work from the State Funds only and (2) for entrusting this work to me. In my letter dated 26-10-1970 presented in person to the Chief Minister in his chambers (copy enclosed for ready reference), I have explained at length the special qualifications I possess for the work above others. I will feel highly grateful

P.T.O.....

to you for obtaining orders of Government as early as possible on the two points mentioned above and communicate.

With kind regards,

Yours sincerely,

M.C. Sampathiengar

(M.C. SAMPATH IYENGAR)

10.11.70

Encl: One.

Shri S. Varadan, I.A.S.,
Secretary to Government,
Public Works Department,
Government of Mysore,
Vidhana Soudha,
Bangalore-1.

M.C. SAMPATH IYENGAR, B.E.,
Ex-Adviser Planning and Investigations
Assam State Electricity Board
Phone No: 3190

9, Fifth Main Road,
Malleswaram,
Bangalore-3.

Date: 26-10-1970.

Respected Sir,

Sub: Writing the history of Irrigation and Power Projects in Mysore State.

On 16-10-68 you were pleased to direct me to meet the Secretary P.W.D. to furnish particulars of re-muneration etc to me for the above mentioned work to facilitate issue of Government order. Since then, due to some difficulty of other, no G.O has so for been issued.

NEEDTO TAKE UP THE WORK IMMEDIATELY:

In this connection, I wish to bring to your kind notice, that the work should not be further delayed because

(i) Bhadra Reservoir and Thundabhadra Reservoir, for which history has to be written, were started nearly 25 years back and maps and records will get lost or missing if delayed further.

(2) In the case of K.R.S. Dam, a history office has constituted after about 10 or 12 years and yet the project has no history written up till today.

It is therefore very essential that a start be made with the work of Bhadra Reservoir at least immediately and Thungabhadra work taken up afterwords.

MY QUALIFICATIONS FOR THE WORK:

As regard my qualifications for this work, I wish to state that

(a) Mr. H.D. Rice Chief Engineer of Mysore (now retired) wrote the history of Marikanave project in the last century., and after that, I am the ONLY ENGINEER who has written a Book on "K.R.S. Dam Sluices" Published by Mysore Government. No other Engineer of the State has so far succeeded in writing such books.

(b) Shri. Chandappa Patel, as P.W.D. Secretary, had occasion to remark that I had a flair for writing books.

(c) My book on "K.R.S. Dam Sluices" was written on my own initiative and I had no instructions from anybody to do it.

(d) My book has been commended by the Chief Engineers of old Hyderabad, Madras, Andhra Pradesh, Uttara Pradesh and Chamat as "Very informative and useful for reference". It has also been favourably reviewed by the Central Board of Irrigation and Power journal, Sunday Standard and Amrita Bazaar Patrika.(copy of their opinions is enclosed.)

...2

(e) 700 copies of the book have been sold so far because of its usefulness as a "Reference Book".

(f) United Nation Library, Bangkok has also copies of my book in its library.

(g) I was Associated with Bhadra Dam construction, as its Superintending Engineer. The River was diverted and dam masonry in foundation was done by me; and as such, I Possess some personal knowledge of this dam which are not contained in offical records.

(h) I possess very wide experience in river valley projects, having planned, designed and executed 6 Irrigation Projects (one in Bombay and five in Mysore State) and 12 Power Projects (3 in Mysore State, 2 in Assam State and 7 in Andhra Pradesh State).

(i) ~~In~~ No other Engineer in Mysore State has such vast experience.

(j) In the year 1968, on account of the above qualifications, Government were pleased to approve of my appointment for this work.

I am therefore requesting you, Respected Sir, to kindly order the writing of the history of Bhadra Reservoir, entrusted to me and the work started with a skeleton staff at a cost of Rs.30,000/- or so, meeting the cost from the contingencies of the project. In the meantime, the Central Government may be addressed for funds.

I once again, request you, Respected Sir, to call for the concerned file from P.W.D Secretariat and pass orders accordingly.

Yours Sincerely,

Sd/-

(.M.C. SAMPATH IYENGAR)

Encl. One.

Shri. Veerendra Patil
Chief Minister of Mysore,
BANGALORE.

True Copy

M.C. Sampathiengar

10.11.70

GOVERNMENT OF MYSORE

No.PWD 36 MMI 63.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 7 Nov., *1970*.

FROM

The *Secretary to the Government of Mysore* Public Works & Elecy., Department.

To

The Deputy Director,
Central Water & Power Commission,
New Delhi.

Sir,

Sub: History of Major Projects -Irrigation and power Sector - Preparation of the History of Tungabhadra and Bhadra Reservoir Projects.

I am directed to invite reference to this Govt. letter of even number, dated 14.9.70 on the subject mentioned above and to request you kindly to obtain and communicate approval of Government of India early.

Yours faithfully,

(S.K. Mohan)
Under Secretary to Government,
Public Works & Elecy., Deptt.,

S*/4.11.70.

To

The ~~Chairman~~ Deputy Director

C.W & P.C.
New Delhi

Sir,

Sub:- History of Major Projects - Irrigation and Power Sector - Preparation of The History of Tungabhadra and Bhadra Reservoir Projects

I am directed to invite reference to this Govt. letter of even no. dated 14-9-70 on the subject mentioned above and to request you ~~to complete~~ kindly to complete your write up. obtain and communicate approval of Govt. of India early..

~~on the subject~~

4
Mrs Kapur
for
DD
3/11/71

CH II 2773/70

J.C. LYNN,
Private Secretary to the Chief Minister.

VIDHANA SOUDHA,

Bangalore- 1, dated 27/10/ ...19 70

Dear Mr. Sampathiengar,

Kindly refer to your discussions with the Chief Minister yesterday when you drew his attention to the plan of writing History of Major Irrigation Projects. The Chief Minister has been able to look into the papers once again.

The Government has decided not to go ahead with this programme of writing the History of Major Irrigation Projects, until it receives an assurance from the Government of India that the expenditure incurred on this programme will be reimbursed by the Union Government.

I have been asked to inform you accordingly.

With regards,

Yours sincerely,

Sd/-(J.C. Lynn)

Shri M.C. Sampathiengar, B.E.,
9, Fifth Main Road,
Malleswaram,
Bangalore-3.

Copy to the Secretary to Government, PW & E Dept., for information.

(J.C. Lynn)
Private Secretary to
the Chief Minister.

Issued 97/X

GOVERNMENT OF MYSORE

No. PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 14 Sept 1970.

FROM

The *Secretary to the Government of Mysore*
Public Works & Elecy. Department,
Bangalore.

To

The Deputy Director,
Central Water & Power Commission,
New Delhi.

Sir,

Sub: History of Major Projects, Irrigation & Power Sector - Preparation of the History of Tungabhadra Reservoir Project.

Ref: Your letter No.23/99/70-TF dated 25.2.1970.

With reference to your communication cited above, I am directed to furnish the particulars as desired in your cited letter, in the annexure.

Further, due to the vastness of work involved in writing the history of the two major projects Bhadra and Tungabhadra, it has been assessed that a period of two years would be required to complete the work and a total amount of Rs.2,33,000/- would be required towards the pay of establishment and other contingencies.

Yours faithfully,

ISSUED
14.9.70

(S.K. MOHAN)
Under Secretary to Government,
Public Works & Elecy. Department.

RRc/10970.

Replies to the points raised by Central Water & Power Commission in their letter No.23/99/70-TF dt. 25-2-1970.

i) A short descriptive note on the various Component of works in the two Projects which would be included in the history along with the present status of incomplete works.

Bhadra Reservoir Project.

The history of Bhadra Reservoir Project is proposed to be written in three parts.

Part I - Report - General
Head works
Canals.

Part II- Appendicies

Part III-Drawings.

The report in Part I is proposed to consist of information pertaining to the project upto the end of March 1971.

It is proposed to include the following under

Part I - General

1. Introduction
2. Early history of Project
3. Proposals for Rs.890 lakhs & Rs.1775 lakhs.
4. Final Proposals
5. Salient features.
6. Economics of the Project
7. Finance and accounts.
8. Administration and Establishment.
9. Labour.
10. Medical Health.
11. Land acquisition and Rehabilitation.
12. Programme & Progress of works.

Part II- Head works Comprisesof

1. Bhadra river and catchment
2. Communications
3. Bhadra Reservoir Project Colony and amenitites to colony.
4. Workshop and Equipment
5. Materials for Construction of dam.
6. Lime Kilns and lime burning
7. Mortar Units and mortar grinding.
8. Geological investigations for the foundation at dam.
9. River diversion arrangements.
10. Foundation treatment.
11. Method of Construction of dam.
12. Profile of dam.
13. Foundation gallery and adit
14. Sluices
15. Gauge well and automatic recorder.
16. Spillway bridge and piers.
17. Gates and hoists.
18. Stilling basin works.

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19. End connection of dam.
20. Earthen bunds.

Part III - Canal System Consists of

1. Description of Canal System
2. Bhadra Tunnel
3. Shantisagar acqueduct.
4. Deep cuts & embankments.
5. C.D.works & masonry works.
6. Description of Major works.
7. Distribution system.
8. A note on execution of Canal works.
9. Devarabilikere Reservoir.
10. Development of Irrigation.
11. Regulation of water supply in Canals.

Part II-Appendicies - Consists of rainfall statistics inflow to reservoir. Capacity table of reservoir, demand table, working table of reservoir etc.

Part III - Consists of drawings showing the location of the project. Index map, longitudinal section of dam, cross section of dam, details regarding spillway andother dam appurtenent work Canal sections, aqueducts etc.

Component works of the Project: - Bhadra Reservoir Project envisaged the construction of a reservoir across Bhadra river near Lakkavalli village of Chikkamagalur District to Irrigate 2,44,663 acres in Chickmagalur, Shimoga, Chitradurga and Bellary districts. The estimated cost of the project is Rs.3500 lakhs.

The Project comprises of

1) a masonry dam 194 ft. high across Bhadra river.
2) A left bank Canal 48 miles long with distributaries to irrigate 17,894 acres in shimoga District.
3) A right bank Canal with distributaries to irrigate 2.14 lakhs acres in chickmagalur, shimoga, Chitradurga and Bellary districts. The main canal runs for a length of 61.75 miles.
4) Devarabilikere pickup reservoir to irrigate 12,152 acres in chitradurga district by utilising the regenerated flow.

on the local Valleys from Irrigation on either banks.

5) Power sluices and other structures in the dam for electric plants to generate 25,000 KW continuous electric Power.

6) Power Plants.

TUNGABHADRA PROJECT.

The history of Tungabhadra Project will also be written based on the various chapters proposed as in case of Bhadra reservoir project.

The Tungabhadra Project envisages the

i) Construction of a storage reservoir across the Tungabhadra River at Mallapuram about 3 miles from Hospet with a storage capacity of 133 Tmcft.

ii) Construction of Low Level Canal on the right flank to irrigate 92345 acres in Mysore state.

iii) Construction of a high level canal on the right flank to irrigate 3.88 lakhs acres both in Mysore and Andhra States.

iv) Construction of a left bank Canal to irrigate 5.8 lakh acres in Raichur District in Mysore State.

V) Providing Hydro Electric Generation at the dam site and at various places on the Canals to produce 1,72,500 KW of electricity.

Apart from the above points, the project will contain all the available and pertinent information and data required for river valley projects Communicated in letter No.15-1/68 Tl.ad dt.10.8.68 received from the Central Water and Power - Commission.

Balance works of Bhadra & Tungabhadra Projects.

The history of Bhadra and Tungabhadra Projects will also contain the balance of works to be done at the time of writing the history of these Projects.

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It is necessary, therefore, that literature on the subject based on the experience, individual as well as collective, is collected systematically. Various problems encountered, during investigation designing and execution of the Project as well as how they were solved, will be detailed in the history of the Project. The solutions to these problems will be of immense advantage to all technical personnel, when similar problems arise during the execution of other projects. The solutions already arrived and the experience gained will help to save time, labour and money in solving problems of similar nature if a detailed account as to how they were encountered and how they were solved are narrated in a descriptive and systematic manner. The history of project can be studied by students of the Engineering Profession to have knowledge about various projects and how they were executed. The history of Project will be useful to the Public to improve their general knowledge and in general the social and economic upliftment. The history of the Project will be a guidance to all future Projects and it will be possible to improve over the various methods with the advancement of science and effect economy and strength.

3. Break-up for Rs.80,000 and a detailed justification for the staff proposed:-

It had been indicated that an amount of Rs.80,000/- would be required for writing the history of the project. It has now been assessed that the writing up of the histories of Bhadra and Tungabhadra Projects requires the collection of various items required for the same. These two projects were taken up even before plan periods and hence the collection of statistics from the period earlier than 1951 on these two projects is estimated to take a period of two years. Further these two projects are situated in two different districts, the distance between them being about 135 miles. It will be very difficult to take up the

....

It will be very difficult to take up the writing up of the history of both the Projects simultaneously. Therefore it is proposed to take up the writing of Tungabhadra Project during the first year by keeping the headquarters of the cell at Munirabad After the completion of writing of Tungabhadra Project the cell will be shifted to Bhadra dam site to take up the writing of Bhadra Project.

The Provision of Rs.80000/- indicated for writing the history of the Projects will be inadequate due to the following reasons.

1) The pay and dearness allowance provided previously for the staff was very insufficient.

2) The pay of the staff has been increased due to the revision of pay scales.

3) It was proposed to complete the writing up of the history of the Projects in one year. But by the assessment of the vastness of the Projects, the great deal of work involved in the collection of material for writing the histories of these projects, the assessment of balance works to be completed and the editing of the material in a chronological order. It is found that the writing up of the histories of the projects cannot be completed in a period of one year. Therefore it is proposed to complete the work in two years instead of one year proposed earlier and hence there is an increase in the establishment charge for another year.

As per the present estimation the total amount required will be Rs.2,33,000/- for a period of two years. The detailed break up is furnished as desired with justification.

It is requested that the Central assistance may please be given to the entire amount of Rs.2,33,000/- The furniture and othe items under the non recurring expenditure will be made of while writing the histories of Kabini Hemavathy.....p.

75

Hemavathy and Harangi Projects. If the Centre is not agreeable to this, the salvage of these articles can be credited to the Centre after the writing up of the Projects is completed.

.t.

Abstract Estimate regarding the Expenditure likely to be incurred on writing the histories of Bhadra and Tungabhadra Projects.

A. Recurring Expenditure for one year.

I. Salary of Staff.

1) Pay of Officers	--	29796-00
2) Pay of Staff	--	38088-00
3) Dearness Allowance	--	24264-00
4) Other allowances	--	11049-60
Total..		1,03,197-60
Say.		1,03,200/-

II. Other Expenditure.

1) Travelling allowance for Officers & Staff	--	5000/-
2) Contingencies	--	3000/-
3) Medical Charges.@	--	300/-
Total..		8300/-

Total of I & II = Rs. 1,11,500/- per year.

B. Non recurring Expenditure.

1) Expenditure on furniture and other articles required for Staff. Rs.10,000/-

Total Grant Required.

A. Recurring Expenditure at Rs. 1,11,500/year for two years,		Rs.2,23,000/-
B. Non recurring Expenditure	-	10,000/-
Grant Total..		Rs.2,33,000/-

...

Km/* 10/9

Details of estimate regarding the contingencies for the new Cell proposed for writing the histories of Hagdra & Tungabhadra Projects.

Non recurring Expenditure.

Sl.No.	Item.	No.	Rate in Rs.	Amount in Rs.
1)	Officers Table made of Teak wood	3	200	600/-
2)	Teak wood table for other Officials.	8	100	800/-
3)	Teak wood Chairs.	16	50	800/-
4)	Teak wood Table for Typists and Stenographer.	3	50	150ø-
5)	Teak wood chairs forTypists and Stenographers.	3	30	30/-
6)	Steel Almirah	2	750	1500/-
7)	Steel Racks	2	200	400/-
8)	Typewriters.	3	1500	4500/-
9)	Drawing table.	1	250	250/-
10)	Drawing materials like instrument box, drawing table T.square setsquare etc.	-	L.S.	500/-
	Total..	-	-	9590/-
	Miscellaneous and unforseen.			410/-
	Grand total.		-	10,000/-

Recurring Expenditure for one year.

1)	Drawing paper, Tracing paper, Blue prind paper etc.	-	L.S.	Rs.1000/-
2)	Stationery for the use of cell.	-	L.S.	Rs.2000/-
	Total...			Rs.3000/-

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Detailed estimate regarding Establishment charges.

Sl.No.	Name of post.	No. of posts.	Average pay per month.	Dearness allowance.	Project Allowance @ 20% of basic pay.	Total.
1.	Superintending Engineer (Special Officer).	1	1283.00	100.00	100.00	1483.00
2.	Assistant Engineers.	2	1200.00 (@ Rs.600.00 each)	240.00 (@ Rs.120.00 each)	200.00 (Rxx @ Rs.100.00 each)	1640.00
3.	Junior Engineers.	4	1680.00 (@ Rs.420.00 each)	640.00 (@ Rs.160.00 each)	336.00 (@ Rs.84.00 each).	2656.00
4.	Stenographer.	1	200.00 Special Pay Rs.30.00	122.00	40.00	392.00
5.	Typists.	2	256.00 (@Rs.128.00 each)	196.00 (@ Rs.98.00 each)	51.20 (@ Rs.25.60 each)	543.20
6.	I Division Clerks.	2	400.00 (@ Rs.200.00 each)	244.00 (@ Rs.122.00 each)	80.00 (@ Rs.40.00 each)	724.00
7.	IIDivision Clerks.	2	256.00 (@ Rs.128.00 each)	196.00 (@ Rs.98.00 each)	51.20 (@ Rs.25.60 each)	503.20
8.	Peons.	4	312.00 (@ Rs.78.00 each)	284.00 (@ Rs.71.00 each)	62.40 (@ Rs.15.60 each)	658.40
	Total per month.		5657.00	2022.00	920.80	8599.80

Grand Total for 12 months. 8599.80 x 12 = 1,03,197.60

Say Rs. 1,03,20/-

S*/10-9-70.

Justification for the staff proposed.

A Special Officer of the rank of a Superintending Engineer is absolutely necessary to be in charge of the writing the histories of Bhadra and Tungabhadra Projects. The Collection of information pertaining to dam and canals has to be attended separately and hence two Assistant Engineers have been proposed. One Assistant Engineer will be compiling information about the dam and the other about Canal. They will be designated Assistant Engineer, Dam and Assistant Engineer Canal respectively. Two Junior Engineers have been proposed for each of the two Assistant Engineers proposed. The Junior Engineers under the Asst. Engineer (Dam) will compile information about dam and appartenant works, submerged area, power plant and problems met with in the construction of dam and how they were solved. Similarly the other two Junior Engineers will be incharge of compiling the particulars in respect of Canal under the Assistant Engineer (Canal).

One Stenographer is proposed to take dictations from the Special Officer. Two Typists proposed are quite essential for typing the Correspondence and also the draft histories of the Projects. Two first division clerks, one for maintaining the accounts and the other for maintaining stores movement of files and Correspondence are required. Two second division clerks are proposed to assist the two first division clerks in their work. Their services will also be utilised in getting the histories of the projects typed when there is rush of typing work and also in getting raced the drawings which require to be appended to the history of Project. Taking out the ammonia prints of the various drawings and work of binding the history of projects will also be entrusted to the second division clerks. Four peons one for the special officer two for the two Assistant Engineers and one for rest of the staff is proposed.

The staff proposed is the minimum required for completing the history of projects.

Sd/-S.V. Puttanna Raju,
For Chief Engineer, I.W.D.,
Irrigation South.

O.C. Appd. by C.E.,

"COPY"

S*/19-9-70.

PWD. 36 MM 68.

To

The Deputy Director
Contal Water and
Power Commission
NEW Delhi

Sir

Subject:— Working of Major Projects Irrigation & Power Sector — preparation of the Working of Tungabhadra & Reservoir project-

Reference your letter No 23/99/ TO-TE dated 25-2-70.

p. 1 c 1 & 2

With reference to your communication cited above I am directed to furnish the particulars as desired in your cited letter, in the annexure.

Further Due to the Vastness of work involved in working this working of the Two major projects Bhadra

to Page 36 to 66, Two Copies

and Tungabhadra, it has been assessed that a period of Two years would be required to complete the work and a Total amount of Rs 2,3300, would be required towards the pay of establishment and other Contingencies.

yours faithfully

u/s

27/5

Office of the
Chief Engineer, Irrigation Sou
No. 63. Palace Road, Bangalore
25.5.70

66

No.DR/HMP/TAP/69/ 1164.

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha,
Bangalore.

2383

G. A. I. SECTION
P. W. & A. Deptt
No 25083
Date 26 MAY 1970
Section M.9

Sub:History of Irrigation Projects-
Tungabhadra and Bhadra Reservoir Projects.

Ref:Govt.letter No.PWD 36 MMI 68 dt.23-3-1970.

...

Sir,

I am enclosing herewith the particulars referred to in letter No.23/99/70-TE dt.25-2-70 received from the Central Water & Power Commission,as desired in Govt.letter cited above,for onward transmission.

Due to the vastness of work involved in writing the history of the two Major Projects, Bhadra and Tungabhadra,it has been assessed that a period of two years would be required to complete the work and a total amount of Rs.2,33,000 would be required towards the pay of establishment and other contingencies

Yours faithfully,
S.V.Puttanna Raju
25.5.70.
for Chief Engineer,PWD.,
Irrigation South.

O.C. Appd. by C.E.

R.V.T/12-5

4/26/6

Sri RPK/JP.

Annexure 65

Replies to the points raised by Central Water & Power Commission in their letter No.23/99/70-TE dt.25-2-70.

i) A short descriptive note on the various Component of works in the two Projects which would be included in the history along with the present status of incomplete works.

Bhadra Reservoir Project.

The history of Bhadra Reservoir Project is proposed to be written in three parts.

Part I- Report - General
Head works
Canals.

Part II-Appendicies

Part III- Drawings.

The report in Part I is proposed to consist of information pertaining to the project up to the end of March 1971.

It is proposed to include the following under part I- General.

1. Introduction
2. Early history of Project
3. Proposals for Rs.890 lakhs & Rs.1775 lakhs.
4. Final Proposals
5. Salient features.
6. Economics of the Project
7. Finance and accounts.
8. Administration and Establishment
9. Labour
10. Medical Health
11. Land acquisition and Rehabilitation.
12. Programme & Progress of works.

Part II. Head works Comprises of

1. Bhadra river and catchment
2. Communications
3. Bhadra Reservoir Project Colony and amenities to colony.
4. Workshop and Equipment
5. Materials for Construction of dam.
6. Lime Kilns and lime burning
7. Mortar Units and mortar grinding
8. Geological investigations for the foundation at
9. River diversion arrangements.
10. Foundation treatment
11. Method of Construction of dam
12. Profile of dam
13. Foundation gallery and adit
14. Sluices
15. Gauge well and automatic recorder ranked
16. Spillway bridge and Piers
17. gates and hoists
18. stilling basin works

...2

64

19. End connection of dam
20. Earthen bunds

Part III- Canal System Consists of

i) Description of Canal System
2) Bhadra Tunnel
3) Shantisagar acqueduct.
4) Deep cuts & embankments.
5) C.D works & masonry works.
6) Description of Major works.
7) Distribution system.
8) A note on execution of Canal works.
9) Devarabilikere Reservoir.
10) Development of Irrigation.
11) Regulation of water supply in Canals.

Part II- Appendicies- Consists of rainfall statistics inflow to reservoir, Capacity table of reservoir, demand table, working table of reservoir etc.

Part III- Consists of drawings showing the location of the Project, Index map, longitudinal section of dam cross section of dam details regarding spillway and other dam appurtenant work. Canal sections, aqueducts, etc.

Component works of the Project - Bhadra Reservoir Project envisaged the construction of a reservoir across Bhadra-river near Lakkavalli village of Chikkamagalur District to Irrigate 244663 acres in chickmagalur, Shimoga, Chitradurga and Bellary districts. The estimated cost of the project is Rs.3500 lakhs.

The project comprises of

i) a masonry dam 194 ft. high across Bhadra river.
2) A left bank Canal 48 miles long with distributaries to irrigate 17,894 acres in shimoga District.
3) A right bank Canal with distributaries to irrigate 2.14 lakh acres in chickmagalur, Shimoga Chitradurga and Bellary districts. The main canal runs for a length of 61.75 miles.
4) Devarabilikere pickup reservoir to irrigate 12152 acres in chitradurga district by utilising the regenerated flow

...3=

on the local Valleys from Irrigation on either banks.

5) Power sluices and other structures in the dam for electric plants to generate 25,000 kw continuous electric power.

6) Power plants.

Tungabhadra Project.

The history of Tungabhadra Project will also be writte based on the various chapters proposed as in case of Bhadra reservoir Project.

The Tungabhadra Project envisages the

i) Construction of a storage reservoir across the Tungabhadra River at Mallapuram about 3 miles from Hospet with a storage capacity of 133 TMcft.

ii) Construction of Low level Canal on the right flank to irrigate 92345 acres in Mysore state.

iii) Construction of a high level canal on the right flank to irrigate 3.88 lakhs acres both in Mysore and Andhra states

iv) Construction of a left bank Canal to irrigate 5.8 lakh acres in Raichur District in Mysore state.

V) Providing Hydro Electric generation at the dam site and at various places on the Canals to produce 1,72,500 K.W of electricity.

Apart from the above points, the project will contain all the available and pertinent information and data required for river valley projects Communicated in letter No.15-1/68 TM dt.10-9-68 received from the Central Water & Power-Commission.

Balance works of Bhadra & Tungabhadra Projects.

The history of Bhadra and Tungabhadra Projects will also contain the balance of works to be done at the time of writing the history of these Projects.

..3

The important balance works to be done in case of Bhadra Project, ~~xx~~ at present, are.

i)Construction of Devarabilikere pickup and its canals to irrigate an area of 12152 acres in chitradurga district.

2)Completion of tail end distributaries field channels and protection of Canals in soft soil reaches.

3)Construction of Irrigation tract roads and Providing telephone facilities all along the Canal length.

4) Shifting of villages.

The important balance works to be done in case of Tungabhadra Project are-

i) Completing the construction of left bank canal and its distributaries which are in advanced stage of construction.

2)Strengthening the canal in its high embankment reaches and providing toe filters.

3) Construction of ayacut roads for the transport of produce.

4) Construction of cross regulators and bridges at the main Canal.

5)lining of major distributaries for minimising seepage losses.

6)Construction of water courses and field channels under the right bank high level canal and also construction of buildings.

7)Providing for the Mysore's share in the construction of the main canal executed by Tungabhadra Board.

2. <u>The Utility of writing up the history of the TWO projects.</u>

Engineering is an art of organising ~~x~~and directing men and controlling the forces and materials of nature for the benefit of mankind. It is necessary, therefore, that

61

It is necessary therefore, that literature on the subject based on the experience, individual as well as collective, is collected systematically. Various problems encoutered, during investigation designand execution of the Project as well as how they were solved, will be detailed in the history of the Project. The solutions to these problems will be of immense advantage to all technical personnel, when similar problems arise during the execution of other Projects. The solutions already arrived and the experience gained will help to save time, labour and money in solving problems of similar nature if a detailed account as to how they were encountered and how they were solved are narrated in a descriptive and systematic manner. The history of project can be studied by students of the Engineering profession to have knowledge about various projects and how they were executed. The history of Project will be useful to the Public to improve their general knowledge and in general the social and economic upliftment. The history of the Project will be a guidance to 11 future Projects and it will be possible to improve over the various methods with the advancement of science and effect economy and strength.

3. Break-up for Rs.80,000 and a detailed justification for the Staff proposed.

It had been indicated that an amount of Rs.80,000/- would be required for writing the history of the Project. It has now been assessed that the writing up of the histories of Bhadra and Tungabhadra Projects requires the collection of various items required for the same. These two projects were taken up even before plan periods and hence the collection of statistics from the period earlier than 1951 on these two projects is estimated to take a period of two years. Further these two projects are situated in two different districts, the distance between them being about 135 miles. It will be very difficult to take up the

60

It will be very difficult to take up the writing up of the history of both the projects simultaneously. Therefore it is proposed to take up the writing of Tungabhadra Project during the first year by keeping the headquarters of the cell at Munirabad during the first year. After the completion of writing of Tungabhadra Project the cell will be shifted to Bhadra dam site to take up the writing of Bhadra Project.

The provision of Rs.80000/- indicated for writing the history of the projects will be inadequate due to the following reasons.

i) The pay and dearness all-owance provided previously for the staff was very insufficient.

2) The pay of the staff has been increased dur to the revision of pay scales.

3) It was proposed to complete the writing up of the history of the Projects in one year. But by the assessment of the vastness of the projects, the great deal of work involved in the collection of material for writing the histories of these Projects, the assessment of balance works to be completed and the editing of the material in a chronological order, it is found that the writing up of the histories of the projects cannot be completed in a period of one year. Therefore it is proposed to complete the work in two years instead of one year proposed earlier and hence there is an increase in the establishment charges for another year.

As per the present estimation the total amount required will be Rs.2,33,000/- for a period of two years. The detailed breakup is furnished as desired with justification.

It is requested that the Central assistance may please be given to the entire amount of Rs.2,33,000/-- The furniture and other items under the non recurring expenditure will be made use of while writing the histories of Kabini, Hemavathy

Hemavathy and Harangi Projects. If the Centre is not agreea to this, the salvage of these articles can be credited to the Centre after the writing up of the Projects is completed.

...

Abstract Estimate regarding the Expenditure likely to be incurred on writing the histories of Bhadra and Tungabhadra - Projects.

A. Recurring Expenditure for one year.

I. Salary of Staff.

i) Pay of Officers	-	29796-00
2) Pay of Staff	-	38088-00
3) Dearness Allowance	-	24264-00
4) Other allowances	-	11049-60
Total		1,03,197=60
Say.		1,03,200/-

II. Other Expenditure.

i) Travelling allowance for Officers & staff	-	5000/-
2) contingencies	-	3000/-
3) Medical charges.	-	300/-
Total		Rs.8300/ -

Total of I & II = Rs.1,11,500/- per year.

B. Non recurring Expenditure.

i) Expenditure on furniture and other articles required- for staff. Rs. 10,000/ -

Total Grant Required.

A. Recurring Expenditure at Rs. 1,11,500/year for two years,	+	Rs.2,23,000/-
B. Non recurring Expenditure	-	10,000/-
Gtand total		Rs.2,33,000/=

...

Hemavathy and Harangi Projects. If the Centre is not agreeable to this, the salvage of these articles can be credited to the Centre after the writing up of the Projects is completed.

...

Abstract Estimate regarding the Expenditure likely to be incurred on writing the histories of Bhadra and Tungabhadra Projects.

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2) contingencies	-	3000/-
3) Medical charges.	-	300/-
Total		Rs.8300/ -

Total of I & II = Rs.1,11,500/- per year.

B. Non recurring Expenditure.

i) Expenditure on furniture and other articles required- for staff. Rs. 10,000/ -

Total Grant Required.

A. Recurring Expenditure at Rs. 1,11,500/year for two years,		Rs.2,23,000/-
B. Non recurring Expenditure	-	10,000/-
Gtand total		Rs.2,33,000/-

Details of estimate regarding the contingencies for the new Cell proposed for writing the histories of Bhadra & Tungabhadra-Projects.

Non recurring Expenditure.

Sl.No.	Item	No.	Rate in Rs.	Amount. in Rs.
1)	Officers Table made of Teak wood	3	200	600
2)	Teak wood table for other Officials.	8	100	800
3)	Teak wood chairs.	16	50	800
4)	Teak wood Table for Typists & Stenographer.	3	50	150
5)	Teak wood chairs for Typists & Stenographers	3	30	90
6)	Steel Almirah	2	750	1500
7)	Steel Racks	2	200	400
8)	Typewriters.	3	1500	4500
9)	Drawing table.	1	250	250
10)	Drawing materials like instrument box, drawing table T.square setsqare etc.	-	L.S-	500
	Total	-	-	9590
	Miscellaneous and unforseen-			410
	Grand total.	-		10,000/-

Recurring Expenditure for one year.

i)	Drawing paper, Tracing paper, Blue print paper etc.	L.S-	Rs. 1000/-
2)	Stationery for the use of cell.	L.S.	Rs. 2000/-
	Total.		Rs. 3000/-

Detailed estimate/ regarding Establishment charges.

Sl.No.	Name of post.	No.of posts.	Average pay per month.	Dearness allowance.	Project Allowance @ 20% of basic pay	Total.
1.	Superintending Engineer (Special Officer)	1	1283.00	100.00	100.00	1483.00
2.	Assistant Engineers.	2	1200.00 (@ Rs.600.00 each)	240.00 (@Rs.120.00)	200.00 (@ Rs.100.00)	1640.00
3.	Junior Engineers.	4	1680.00 (@ Rs.420.00 each)	640.00 (@ Rs.160.00)	336.00 (@ Rs.84.00)	2656.00
4.	Stenographer	1	200.00 Special pay 30.00	122.00	40.00	392.00
5.	Typists.	2	256.00 (@ Rs.128.00 each)	196.00 (@ 98.00 each)	51.20 (@ Rs.25.60 each)	543.20
6.	I Division Clerks.	2	400.00 Special pay 40 @ Rs.each (@ Rs.200.00 each)	244.00 (@ Rs.122.00 each)	80.00 (@ Rs.40.00 each)	724.00
7.	II Division clerks.	2	256.00 (@ 128.00 each)	196.00 (@ 98.00 each)	51.20 (@ Rs.25.60 each)	503.20
8.	Peons	4	312.00 (@ 78.00 each)	284.00 (@ 71.00 each)	62.40 (@ Rs.15.60 each)	658.40.
	Total per month.		5657.00	2022.00	920.80	8599.80

Grand total for 12 months- 8599.80 x 12 = Rs 1,03,197,60

Say Rs. 1,03,200/-

2656
724
329.2
3709

4890.60

5000 x 12
60 000

Justification for the staff proposed.

A Special Officer of the rank of a Superintending Engineer is absolutely necessary to be in charge of the writing the histories of Bhadra and Tungabhadra Projects. The collection of information pertaining to dam and canals has to be attended seperately and hence two Assistant Engineers have been proposed. One Assistant Engineer will be compiling information about the dam and the other about Canal. They will be designated Assistant-Engineer Dam and Assistant Engineer, Canal respectively. Two Junior Engineers have been proposed for each of the two Assistant Engineers proposed. The Junior Engineers under the Assistant Engineer(Dam) will compile information about dam and appartenant works, submerged area, power plant and problems met with in the construction of dam and how they were solved. Similarly the other two Junior Engineers will be incharge of compiling the particulars in respect of Canal under the Assistant Engineer(Canal

One Stenographer is proposed to take dictations from the special Officer. Two Typists proposed are quite essential for typing the Correspondence and also the draft histories of the Projects. Two first division clerks, one for maintaining the accounts and the other for maintaining stores movement of files and Correspondence are required. Two second division clerks are proposed to assist the two first division clerks in their work. Their services will also be utilised in getting the histories of the projects typed when there is rush of typing work and also in getting traced the drawings which require to be appended to the history of Project. Taking out the ammonia prints of the various drawings and work of binding the history of projects will also be entrusted to the second division clerks. Four peons one for the special officer two for the two Assistant Engineers and one for rest of the staff is proposed.

The staff proposed is the minimum required for completing

P.T.O

completing the history of projects.

O.C. Appd. ty C.E.

S.V. Puttanna Raju 23.5.70.
for Chief Engineer, P.W.D.,
Irrigation South.

K.V.T

GOVERNMENT OF MYSORE

55

No. PWD 36 MMI 68

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 2—April, 196x70.

FROM

The *Secretary to the Government of Mysore,*
Public Works & Elecy.Department,
Bangalore.

To. The Chief Engineer,
Irrigation (South),
Bangalore.

Sir,

Subject:-History of Irrigation Projects--
Tungabhadra and Bhadra Reservoir Project

I am directed to forward herewith a copy of letter dated 13-2-70 from Sri.M.C.Sampath Iyengar on the above subject and to request you kindly to furnish your remarks in the matter immediately.

Yours faithfully,

(S.K.MOHAN),
Under Secretary to Government,
Public Works & Elecy.Department.

BRG.29-4-70.

Dated 2.5.70

Copy of letter dated 13-2-1970, from Sri.M.C.Sampath Iyengar, addressed to the Secretary,Public Works Department,Government of Mysore Vidhana Soudha,Bangalore-1.

Subject:-Writing of history of big projects, etc.

Reference:-My letter dated, Bangalore 10-8-1968 addressed toShri.I.M.Mugdum,Chief Engineer, Irrigation Projects and copied to you.

With reference to my letter cited above, I write to state that it is already over an year and half since this correspondence got started and has not yet taken a final shape. In view of the cost of the work being under one lakh of rupees, there does not seem to be any great difficulty in finding funds for this work from the 1970-71 capital grant of the projects concerned by the Chief Engineer,Irrigation Projects South.

I therefore request you to kindly issue orders urgently to enable me to start the work very early.

Yours faithfully,

Sd/-
(M.C.SAMPATH IYENGAR)

"COPY"

BRG.29-4-70.

M. G. S. App. F VI—G. 2]

53

SUBJECT.....

.....

.....

Diary No. of letter replied to.....

Section

Serial No.

Mysore Government Secretariat

File No.

( )

the 196

Proceedings of the Government of Mysore

Date of issue.....196

Read—

No P(2) 36 MMI 68

Signed by.....

To

The C.E 1(SF)
Blre.

Sir

Sub:- As cr P-51/C.F

May this be—

(i) printed?
(ii) created as a Standing Order?
(iii) published in the Gazette, English Part?
(iv) translated?
(v) placed at the disposal of the Press?
(vi) published in the Gazette, Kannada Part?

Order thereon.—No.

I am directed to dt 13-2-70 forward herewith a copy of letter from Shri M.C. Sampathiengar dt 13/2/70 on the above subject and to (x) furnish your remarks in the matter, immediately.

(x) request you kindly to

4/5

VS. Rw(CT)

25/4.

25/4

Serial No. 1 Receipt
Phone: 3190

M. C. SAMPATHIENGAR, B.E.,
Ex- ADVISER, PLANNING AND INVESTIGATIONS
ASSAM STATE ELECTRICITY BOARD
Phone:- 3190

9, Fifth Main Road,
Malleswaram,
Bangalore-3, Dt: 13-2-1970.

To

The Secretary,
Public Works Department,
Government of Mysore, Bangalore-1.

Sir,

Subject:- Writing of history of big projects, etc.

Ref:- My letter dated, Bangalore 10-8-1968 addressed to Shri I.M. Mugdam, Chief Engineer, Irrigation Projects and copied to you.

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964

I therefore request you to kindly issue orders urgently to enable me to start the work very early.

Yours faithfully,

M. C. Sampathiengar

(M.C. SAMPATH IYENGAR)

Sri FP
RPK

GOVERNMENT OF MYSORE

No.PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 23 March 1970.

FROM

The *Secretary to the Government of Mysore*
Public Works and Electy.Deptt.,
Bangalore.

To

The Chief Engineer,
Irrigation (South),
Bangalore.

Sir,

Subject: History of Irrigation Projects - Tungabhadra & Bhadra Reservoir Project .

Reference: This office letter No.PWD 36 MMI 68, dt.17.5.69 addressed to Govt. of India and copied to you.

-.-

With xxx reference to the letter cited above, I am directed to forward herewith a copy of letter No. 23/99/70-TE, dated 25-2-70 received from the Deputy Director, Central Water & Power Commission, New Delhi, and to request you kindly to furnish the particulars referred to therein immediately.

Yours faithfully,

(S.K. Mohan),
Under Secretary to Government,
Public Works and Electricity Department.

Issued 23/3/70

Copy with a copy of the letter of the Govt. of India is forwarded to the Chief Engineer, Irrigation (North), Dharwar.

avl.21.3.70/3.

Copy of letter No.23/99/70-TE dated 25th Feby. 1970, from the Govt. of India, Central Water & Power Commission,(Water wing), New Delhi, addressed to the Secy. to the Govt. of Mysore, P.W.&.Elecy. Deptt., V.S., B'lore.

Subject:- History of Major Projects, Irrigation & Power Sector - Preparation of the History of Tungabhadra & Bhadra Reservoir Project.

-.-

Reference: Your letter No.PWD 36 MMI 68 dated 17-5-69.

For the creation of a Special History Cell, for writing the history of the Tungabhadra and Bhadra Reservoir Project an expenditure of Rs.80,000/- had been indicated in your letter cited above.

For the preparation of a pilot project for writing up of the history of the above mentioned two projects, the following information may kindly be supplied immediately:-

1) A short descriptive note on the various component of works in the two projects which would be included in the history along with the present status of incomplete works.

2) The utility of writing up the history of the two projects.

3) In the break-up of Rs.80,000/- furnished in the letter mentioned above, a lump sum provision has been made to the extent of Rs.17,000/-. For the pilot project purposes a more detailed break-up is required. While doing so it is suggested that the pay and allowances of the staff might be included at one place and the Travelling Allowance separately. Also a detailed justification for the Staff proposed might be indicated.

4) The items included in the Estimate for which Central assistance is required might also be explained in detail.

It is presumed that the history of two projects will be available at the end of one year. This may be confirmed.

Sd/-(Kailash Narayan),
Deputy Director,
C.W.&.P. Commission.

'COPY'

cvl.21.3.70/2.

GOVERNMENT OF MYSORE

89

No.PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, March 1970.

FROM

The *Secretary to the Government of Mysore*
Public Works and Electy.Deptt.,
Bangalore.

To

The Chief Engineer,
Irrigation (Soutn),
Bangalore.

Sir,

Subject: History of Irrigation Projects - Tungabhadra & Bhadra Reservoir Project .

Reference: This office letter No.PWD 36 MMI 68, dt.17.5.69 addressed to Govt. of India and copied to you.

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Yours faithfully,

(S.K. Mohan),
Under Secretary to Government,
Public Works and Electricity Department.

Copy with a copy of the letter of the Govt. of India is forwarded to the Chief Engineer, Irrigation (North), Dharwar.

avl.21.3.70/3.

48

Copy of letter No.23/99/70-TE dated 25th Feby. 1970, from the Govt. of India, Central Water & Power Commission,(Water Wing), New Delhi, addressed to the Secy. to the Govt. of Mysore, P.W.&.Elecy. Deptt., V.S., B'lore.

Subject:- History of Major Projects, Irrigation & Power Sector - Preparation of the History of Tungabhadra & Bhadra Reservoir Project.

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2) The utility of writing up the history of the two projects.

3) In the break-up of Rs.80,000/- furnished in the letter mentioned above, a lump sum provision has been made to the extent of Rs.17,000/-. For the pilot project purposes a more detailed break-up is required. While doing so it is suggested that the pay and allowances of the staff might be included at one place and the Travelling Allowance separately. Also a detailed justification for the Staff proposed might be indicated.

4) The items included in the Estimate for which Central assistnce is required might also be explained in detail.

It is presumed that the history of two projects will be available at the end of one year. This may be confirmed.

Sd/-(Kailash Narayan),
Deputy Director,
C.W.&.P. Commission.

'COPY'

avl.21.3.70/2.

No PRO 36 MHJ 68

To

The CE(S)
Bhr

Sir

Sub:- History of Irrigation Projects -
Tungabhadra & Bhadra
Reservoir Profile.

Ref:- This office letter No. PRO 36
MHJ 68, dated 17-5-65 addr
to yr. & and copies to you

with reference to the letter cited
above. I am directed to forward
herewith a copy of letter No. 23/97/70-
TE, dated 25-2-70 received from the
Deputy Director, C.W & PC New Delhi
and to request you kindly to
furnish the particulars referred to
therein immediately

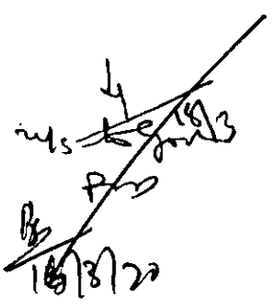
Yrs

by
for
PRO

Copy with a copy of the letter of the Govt of
India is forwarded herewith

P To

CEO(N) Dharwar with reference to
his letter dtd. nil dated 18-6-69.
He is required to furnish particulars
in respect of his proposals



Sl no 1

46

MOST IMMEDIATE

No. 23/99/70-TE
Government of India
Central Water & Power Commission
(Water Wing)
- - - -

New Delhi, dated the 25 February, 1970

1226

To

R. & I. SECTION
P. W. & Ele. Dept.
No. 11094
Date 2MAR1970
Section MQ

The Secretary to the Govt. of Mysore,
Public Works & Electricity Department,
Mysore Govt. Secretariat,
Vidhan Soudha,
Bangalore.

Sub:- History of Major Projects, Irrigation & Power Sector - Preparation of the History of Tungabhadra & Bhadra Reservoir Project.

Ref:- Your letter No. PWD 36 MM1 68 dt. 17-5-69. / — P. 134

Sri J

Sir,

For the creation of a Special History Cell, for writing the history of the Tungabhadra and Bhadra Reservoir Project an expenditure of Rs 80,000/- had been indicated in your letter cited above.

For the preparation of a pilot project for writing up of the history of the above mentioned two projects, the following information may kindly be supplied immediately:-

1) A short descriptive note on the various component of works in the two projects which would be included in the history along with the present status of incomplete works.

2) The utility of writing up the history of the two projects.

contd. to .. 2/-

Sl No.5

GOVERNMENT OF MYSORE

49

No. PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 4 Dec. *196* 9.

FROM

The *Secretary to the Government of Mysore.*
Public Works & Elecy.Department,
Bangalore.

To The Chairman,
Central Water and Power Commission,
Water Wing, Government of India,
NEW DELHI.

Sir,

Subject:-History of Major Projects--Irrigation and Power Sector.

I am directed to refer to this Government letter of even number dated 17-5-69 and subsequent reminders dated 26-6-69 and 29-7-69 on the subject mentioned above, and to request you kindly to expedite your reply.

Yours faithfully,

(S.K.MOHAN),
Under Secretary to Government,
Public Works & Elecy.Department

Issued
Dated 4/12/69

BRG.2-12-69.

No. PWD 36 MHU 68

To

The Chairman
C.W. & P.C.
Building,
Govt. of India,
New Delhi

Sir,

Sub: History of Major Projects -
Irrigation and Power Schs

I am directed to refer to
this Govt. letter of even no dated 17-5-69
and subsequent reminders dated 26-6-69
and 29-7-69 on the subject mentioned
above, and to request you kindly
to expedite your reply.

P.13 ✓

Yours faithfully,

for
Secy to Govt
PWD

Serial no. 4

41

PWD 36 MMI 68

29 July 69

The
Public Works & Electricity Department,
Bangalore.

The Chairman,
Central Water & Power Commission,
Water Wing, Govt. of India,
New Delhi.

Sir,

Sub:-History of Major Projects Irriga-
tion and Power Sector-

In inviting reference to the office letter No.PWD 36 MMI 68 dt.17/5/69 and subsequent reminder of even number dated 26/6/69 on the above subject, I am directed to request you to obtain and communicate the approval of the Govt. of India in the matter early.

Yours faithfully,

Issued
Dated 29/7/69

(S.K.Mohan)
Under Secretary to Government,
Public Works & Electricity Department.

BKN raju.

Draft for kind appl PWD 36 MMI 68

39

To.

The Chairman
Central Water & power Commission
Water wing. Govt of India
New Delhi

Subj:- History of major projects
Irrigation and power sector.

Sir,

I am inviting reference to this office
letter no. PWD 36 MMI 68 dated 17/5/1969
and subsequent reminder yet unpursuant 26-6-69
on the above subject. I am ~~to state~~
directed to request you to obtain and Communicate the
approval of the ~~Hist so the particulars called for therein~~
Govt of India ~~have not been furnished~~ by you
in the matter ~~I am to request you to kindly~~
early expedite the particulars ~~reply early~~

Yours faithfully

Sd/-
Ws to Govt
PWD Electricity

No. DR/HMP/1005

Office of the
Chief Engineer, Irrigation South,
No. 63, Palace Road, Bangalore-1.

37

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha,
Bangalore.

30.6.1969

Sir,

2931

R. & I. SECTION
P. W. & Elec. Dept.
No. 20143
Date 7.7.69
Section M9

Sub: History of Major Projects Irrigation and power sections -preparation of

Ref: Govt.letter No.PWD 36 MMI 68 dt.21-5-69.

...

Major Irrigation Projects costing more than Rs.20.00 crores under execution coming under the Jurisdiction of this zone are as under.

(1) Tungabhadra Project.

(2) Bhadra Reservoir Project.

(3) Kabini Reservoir Project.

Regarding Tungabhadra Project and Bhadra Reservoir Project, Government vide their letter of even No.dated 17-5-69 addressed to the Chairman, Central Water and Power Commission have already proposed for the creation of a seperate cell under special Officer for writing their histories.

In as much as Kabini Reservoir Project at (3) above is not likely to be completed during the IV Five year Plan, there are no proposals for the creation of seperate cell for the present.

Yours faithfully,

for Chief Engineer,
Irrigation South.

R.V.T/23-6

Serial no 4 35

PWD 36 MMI 68.

21 June, 69.

The
Public Works and Electricity Department, Bangalore.

The Chairman,
Central Water and Power Commission,
Water Wing,
Government of India,
NEW DELHI.

Sir,

Sub: History of Major Projects
Irrigation and Power Sector -
preparation of -

I am directed to invite a reference to this Government's letter No.PWD 36 MMI 68 dated 17-5-69 on the subject and to request you kindly to intimate as to when a reply there to may be expected.

Yours faithfully,

Issued vide Dated 26/6/69 O/C

(S.K.Mohan,)
Under Secretary to Govt.,
Public Works & Elecy. Department.

MSVG. 25669.

Subject :- History of Major Projects Irrigation and Power Sector - preparation of

To,

The Chairman,
Central Water & Power Commission,
Water wing, Govt of India,
New Delhi

Sir,

I am directed to invite a reference to the Govt's letter no. PND 36 MMI 68 dated 19.5.69 on the subject and to request you kindly to intimate as to when a reply here to may be expected.

Yours
USO
24/6

Serial no 3

31

C. F. No. 45]

GOVERNMENT OF MYSORE

Tele gram / phone

OFFICE OF THE
CHIEF ENGINEER, P. W. D.
IRRIGATION (NORTH), DHARWAR

No. Plg
Encls. —

Date 18 JUN 1969

To

THE SECRETARY TO GOVERNMENT
PUBLIC WORKS & ELECTRICITY DEPARTMENT
BANGALORE.

Sir,

SUB:- HISTORY OF MAJOR PROJECTS IRRIGATION AND POWER SECTOR PREPARATION OF.

REF:- Government letter No. PWD 36 MMI 68 dated 21-5-1969.

...

It is considered necessary to create a separate cell in this office for writing up the history of the projects in respect of Ghataprabha and Malaprabha which are in progress and the Upper Krishna which is taken up. Details of staffing pattern required for * purpose and the cost involved are indicated as under:-

* the above

2240

R. & I. SECTION
P. W. & Elc. Dept.
No 18517
Date 20 JUN 1969
Sign MG

	No.	Av. Salary/month Rs.	Per annum. Rs.
1. Special Officer (Ex.Engr.Grade).	1	844	10,128
2. Asstt. Engineers.	3	522	18,792
3. Junior Engineers.	6	342	24,624
4. Sr. Statistical Asstt.	1	219	2,628
5. Steno	1	(116+20)	1,632
6. Typists.	3	126	4,536
7. F.D.C.	1	171	2,052
8. T.A,D.A.etc. Contingencies & maintenance.			50,000
		Total	1,14,392
		or Say	1,14,500
. . for 3 years; the cost will be			3,43,500/-

Sri Rs 4 2/6

The period required for writing up the history will be about three years in the first instance considering the huge magnitude of work involved since all the necessary details including supporting technical data from the reconnaissance stage to the final stage of completion of the Projects will have to be collected.

4 20/6

Approval to the above proposal may please be communicated early.

Yours faithfully
S. Krishna Murthy
for Chief Engineer, Irrigation (North)

rln/17-6.

8

Subject :- as on Page 28 no 1

Dear Sir,

I am desired to invite a reference to this office letter no. PHD 36 HMI 82 dated 21.5.82 regarding the above mentioned subject and to request that the report called for there in may please be expedited for taking further action.

This may be dealt with on top priority basis.

Yours

1) Sri. K. Basava.
OE(I)S. Block

2) Sri. S.G. Balasundaram
OE(I) IV, Bhavan

Issued on 20/8/82

27

GOVERNMENT OF MYSORE

No. PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 2.. ..May.. 1969

FROM

The *Secretary to the Government of Mysore*
Public Works Department, Bangalore.

To.

1. The Chief Engineer,
   Irrigation(South), Bangalore.

2. The Chief Engineer,
   Irrigation(North), Dharwar.

Sir,

Sub:- History of Major Projects Irrigation and Power Sector -preparation of -

- :0: -

I am directed to forward herewith a copy of letter No.15-1/68/TM&S dated 10-9-1968 of the Ministry of Irrigation and Power and a copy of letter No.CE IH/SVP/138/69-70 dated 23.4.1969 of the Chief Engineer, Investigation of Projects on the subject and to state that for writing the history of the projects it is proposed to create a seperate Cell under each Zone for the Projects which are under execution and which are likely to be completed during the IV Five Year Plan.

I am to request you to forward a report indicating the Projects under your jurisdiction on which such report is proposed to be written, the staff required for the purpose, cost involved and the period required for writing the same etc. for taking further action.

This may be dealt with on top-priority basis.

Yours faithfully,

(S.K.Mohan)
Under Secretary to Government,
Public Works & Elec.Department.
(Tech).

ISSUED
Dated 21/5/69

krs.193.

Copy of letter No.CEIH/SVP/138/69-70 dated 23.4.1969 from the Chief Engineer, Hydro Electric & Irrigation Projects(Inv), Bangalore, addressed to the Secretary to the Government of Mysore, Bangalore.

- :0: -

Sub:- History of Major Projects - Irrigation and Power Section - presentation of -

Ref:- i) Letter No.PWD 36 MMI 68 dated 2.1.1969
ii) Reminder of Even No. dated 4.2.1969.
iii) This Office letter of even No.dt.26.12.68.

- :0: -

Adverting to the above, I write to invite kind reference to this office letter cited at (iii) above, wherein, it has been reported that it is necessary to create a cell or cells separately for the collection of data and writing the history of each of the projects as they progress. Such cells may be attached to the Designs Wing under each of the Chief Engineer in-charge of the particular project right from the commencement so that the minute details of the project, designs made, problems faced during construction, the solutions effected etc., may be brought out clearly. The set-up of the cell in each zone depends upon the number of projects, the magnitude and the intricacies of the project under construction etc. I would, therefore, request that details regarding actual requirements of staff and the financial implications involved thereon may kindly be obtained from the Chief Engineers who are in-charge of the construction of projects.

Regarding the Sharavathi Valley Project, it has to be stated that this zone has already collected sufficient data for writing the history of the project and it is expected that a report will be finalised by the end of December,1969.

Regarding the projects already constructed, a separate cell may be formed under the control of a Special Officer with suitable subordinate staff. The period required for the write up of the history depends upon the number and magnitude of the projects. However, the staff pattern may be as indicated below and the annual expenditure for such a pattern would be Rs.80,000/-

		Monthly Rs.	per annum Rs.
1. Special Officer,	1 No.	1500 x 12	18,000
2. Asst.Engineer.	2 "	522 x 2x12	12,528
3. Junior Engineer.	4"	341 x 4x12	16,368
4. Stenographer.	1 "	(170+30) x 12	2,412
5. Typists.	2 "	(160+20)x2x12	3,264
6. Clerks.			
I Division.	2 "	171 x 2 x 12	4,104
II Division.	2 "	116 x 2 x 12	2,784
7. Peons.	4 "	56 x 4 x 12	2,728
8. T.A., D.A., etc.,			7,000
9. Contingencies and maintenance.			10,000
		Total rupees:	79,188

or say Rs.80,000/-

Sd/-Chief Engineer.
HE&IP,(Inv),Bangalore.

"Copy"

Copy of letter No.15-1/68-TM&S dated 10.9.1968 from The Chairman, Central Water and Power Commissioner(Water Wing), New Delhi, addressed to the Secretary to the Govt. of Mysore, Public Works & Elec.Department, Bangalore.

- :0: -

Sub:- Hostory of Major Projects, Irrigation and Powor Sector - preparation of -

- :0: -

The Ministry of Irrigation and Power have desired that detailed history of construction for all major irrigation and power projects costing Rs.20 crores or more which have been recently completed or are likely to be completed in the Fourth Five Year Plan may be compiled. All necessary details including supporting technical data in respect of construction of such projects from the reconnaissance stage to the final completion of the projects, is to be collected and included in the report. A copy of information and data considered necessary ~~details including~~ for compilation of the Report is enclosed for guidance.

2. For the purpose of completion of such reports, it is suggested that you may consider creating a separate cell employing additional staff comprising of a Junior Engineer, Assistants and supporting technical and other staff. An estimate of expenditure on account of the additionsl staff to be employed by you specifically forthe purpose of preparation of such reports may please be indicated for consideration by the Government of India for reimbursement.

3. I am to request that you may kindly send proposals giving estimated expenditure and the period in which the reports will be compiled. The names of the projects which are to be taken up for the preparation of History of construction may also be furnished. I am also to request that a senior officer may be nominated to coordinate this work and to furnish periodical reports about its progress.

Kindly acknowledge receipt of this letter.

Sd/-Chairman, CW&PC.

"Copy"

INFORMATION AND DATA REQUIRED FOR RIVER VALLEY PROJECTS.

1. Necessity of the Project.

2. A site plan showing the location of the project and the area served by it. Gravity flow and lift irrigation should be shown in different colours. Main and branch HV transmission lines may also be shown.

3. Scope and targets of the project and the extent of various benefits and services to be rendered by the project.

4 a) Early history of the project.

b) When was theproject first approved and its original estiated cost.

c) ~~Official~~ Project estimate revisions, if any, and revised estimated costs with dates of approval of revised estimates and reasons for each revision.

c) Official dates of starting and completion of the project. Who laid the foundation-stone and who inaugurated the project?

d) Any important events connected with the history of the project.

5. a) A brief description of the principal features and and components of the project.

b) Reasons for adopting the particular types of the Principal structures such as the dam, Power houses, spillway, canal structures etc.

For the dam, it may be mentioned as to why a gravity section or an arch section was adopted. Also as to why it was built in earth, or rock fill, or concrete or masonry.

For power houses, it may be mentioned as to why the Power house was built underground, if it has been built underground, mention may be made of the types of ~~tributes~~ turbines and generators as also of transmission voltage, etc.

Mention may be made of considerations leading to fixing the capacity of the spillway and how that capacity has been provided for, as also reasons for adopting the particular type of spillwayand energy dissipating devices, for canal structures, any distinctive design features may be particularly mentioned.

Similarly for reservoirs, general remarks regarding their capacity, size, life, etc. may be given.

6. Brief remarks regarding any other connected structures such as tunnels, coffer dams, etc. not included in the above.

.....2

12. b) Estimated and actual quantities and unit rates for important items of construction work such as plain concrete, stone masonry, reinforced concrete, rock cutting, grouting, etc. etc. Information regarding quantities and unit rates should be given separately for the foundations and for the main body of the structures.

c) Any noteworth measures that were specifically taken in order to effect economies in construction costs, and with what results?

13. Instrumentation, giving a brief description of the instruments installed and the observational data collected. Mention should be made of any conclusions drawn from such data.

14. Benefits from the project as envisaged and as actually realised under the following heads:-

(a) Irrigation: flow and lift.

(b) Power

(c) Flood control

(d) Navigation

(e) Industrial development.

(f) Water supply for any town or city.

(g) Fish culture.

(h) Recreation.

Reasons for any substantial shortfalls should be indicated.

15. Future prospects of the project - brief remarks.

16. Description of theproject: A brief description under the following heads may be given covering all the essential and noteworthy features.

(a) Extent of the area which would be submerged after the construction of the dam and any noteworthy details thereof such as area under crops,,forest area, towns, villages, etc.

(b) Pattern of rehabilitation of oustees.

(c) The extent of area benefitted by the project Gross area, culturable commanded area, project intensity of irrigation, full supply factors etc. etc.

(d) Types of main crops to be irrigated and approximate crop valued at current rates.

17. A description of the principal structures of the project.

(a) The dam, its section,length, etc.

.....4

7. A brief description of the organisation for carrying out the project works:

(a) During the early stages of the project.
(b) During the main construction period.
(c) After completion of the construction work.

Notes:- If a control board or a similar body was constituted details of its constitution and functions should be given.

8. Agencies employed for the construction work for the various components of the projects. It should be specifically mentioned as to whether the work was done on contract basis or departmentally and why?

9. A brief description of the investigations carried out and data collected for preparing the project.

Mention may be made of any aerial surveys, Ground surveys, sub-surface explorations and hydrometetrological and other data connected with the project. Any snags or noteworthy bottlenecks should be particularly mentioned.

10. Research studies and model experiments.

Mention may be made of the research stations where the stuties were carried out and with what results?

11. Construction work:

a) Distinctive features of the particular plant lay-out adopted for the project should be described briefly. A plan of the plant lay-out should be included. It should also be mentioned as to what components of the construction plant were obtained from abroad and which components were manufactured in India, as well as their respective costs.

b) Any noteworthy difficulties encountered during construction and how they were resolved.

A brief description of the auxiliary structures required for construction work should also be given.

c) Mention should be made of any serious accidents which occurred during the course of construction.

d) Particular mention should be made of any changes introduced in the plan of work or the mode of execution of work during the progress of the construction operations and the reasons for making such changes.

12. a) Project costs may be given in a tabular form showing the estimated and actual costs of the various components of a project. Reasons may be given, for any substantial variations between the estimated and actual costs.

.....3

17. (b) Surplussing works and spillways.

Details may be given of the regulation gates, etc. employed.

(c) Trash racks.

(d) Outlet works.

(e) Any scouring works.

(f) Inspection facilities.

(g) Fish passes.

(h) Measures for dissipating energy.

(i) Any other auxiliary or subsidiary works connected with the dam not included in the above.

(j) Power houses and a brief description thereof.

(k) A brief description of the weirs and barrages included in the project.

(l) A description of the canals constructed under the project, their head regulators and any important works such as drainage-crossings, aqueducts etc.

18. Operation of the project.

Brief remarks may be given regarding:

(a) Regulation of water supplies.

(b) Silting of reservoir. Mention may be made of the actual rate of silting, if available.

(c) Evaporation losses and measures taken to reduce them

(d) Swating or leaks below the dam and measures taken to reduce them.

(e) Seepage and regeneration.

(f) Settlement, if any.

(g) Anti-malaria measures adopted, if any.

(h) Any changes noted in the sub-soil water-levels and other hydrometeorological data.

19. Engineering Statistics:-

(a) Water inflow data (maximum design flood)

(b) Reservoir.

(c) Dam

(d) Weirs.

.....5

19. (e) Canals.

(f) Power Houses.

(g) Transmission lines.

(h) Navigation works, if any.

Care should be taken not to omit any important Engineering dimensions and details.

(i) The nature of protection and water proofing of the upstream and downstream of a dam or weir.

(j) Provision for dealing with seepage and drainage water.

(k) Means of securing water tightness of the foundations of the dam (mention any core walls, etc.)

(l) Construction joints.

(m) Maximum pressure on foundations.

(n) Measures adopted for preventing or counteracting uplift pressures.

20. Financial data. Annual capital outlay and sum at charge, estimated and actual (if available) for the first 20 years.

Mention should be made of any levies made in connection with the project such as a betterment levy. Specific mention should be mad as to whether the work is expected to be productive or unproductive.

21. Important and representative photos of the works connected with the project should be supplied. The number need not exceed 8 or 10 photos for each project.

22. Representative cross-sections of the dam, spillway and appurtenant works, as well as a general plan of works.

Subject :- History of major projects Irrigation and Power Sector - preparation of

for

The CE (DS), Bijnor
The CE (D), Bijnor

Sir,

I am directed to forward herewith a copy of letter no. 15-1/68/TM&S dated 10.9.68 of the History of Irrigation and Power and a copy of letter no. CE/H/SVP/138/69-70 dated 23.4.69 of the CE Investigation of projects on the Subject and to state that for writing the history of the projects it is proposed to create a Separate Cell under each Zone for the projects which are under execution and which are likely to be Completed

Pages 1 to 6 of in Volume I and ~~Page 1 of~~ in Serial no 2 in Vol II as Enclosure

during the IV Five year Plan.

I am to request you to forward a report indicating the projects under your jurisdiction for which such report is proposed to be written, the staff required for the purpose, cost involved and the period required for writing the same etc for taking further action.

This may be dealt with on top-priority basis.

Yours

sd/-

DES(P)

17/5

36 MII 63

17 May 69

The
Public Works & Electricity Department,
Bangalore.

The Chairman,
Central Water & Power Commission,
Water Wing, Govt. of India,
New Delhi.

Sir,

Subject:-History of Major Projects Irrigation and Power sector - preparation of

Reference:-Your letter No.15-1/68 TM&S dated 10-9-68

.=.=.=.=.

I am directed to state that in Mysore State, the major irrigation projects costing more than Rs.20.00 crores which are under execution and which are likely to be completed during the IVth Five Year Plan are the following:-

1. Tungabhadra Project.
2. Bhadra Reservoir Project.
3. Sharavathy Valley Project.

For writing the history of projects 1) and 2) mentioned above, it is proposed to create a separate Cell under a special Officer with staff as indicated in the statement enclosed. According to this, the annual expenditure would be of the order of Rs.80,000/-. The period required for writing the history of these two projects is estimated as one year.

The report regarding ~~the~~ Sharavathy Valley Project is already being prepared by the Chief Engineer, Investigation of Irrigation and Hydro Electric Project of this State and the same is expected to be completed by the end of this year.

.....2/-

2. I am to request you to obtain and communicate approval of the Government of India for the proposed expenditure of Rs.80,000/- per annum to be incurred on the staff, for reimbursement to this State Government.

Yours faithfully,

(S.K. Mohan)
Under Secretary to the Government,
Public Works & Electricity Department.

BKN raju.

Copy to the Chief Engineer, Investigation of Irrigation and Hydro Electric Project, Ananda Rao Circle, Bangalore, with reference to his letter No.CEIH/SVP/130/69-70 dated 23-4-69 for information.

Copy to Chief Engineer (Irrigation) South Bangalore for information.

ASO
Dated 12/5/69

Subject :- History of Major projects Irrigation and Power Sector - preparation of

To,

The Chairman,
Central water & Power Commission,
water wing,
Govt of India, New Delhi

Sir,

Ref :- Your letter no 15-1/68 TM&S dated 10.9.68

I am directed to state that in Mysore State, the major irrigation projects costing more than Rs 20.00 crores which are under execution and which are likely to be completed during the IV th Five Year Plan are the following

1) Tungabhadra Project
2) Bhadra Reservoir Project
3) Sharavathi Valley Project

For writing the history of ~~the~~ ~~above~~ projects 1) and 2) mentioned above, it is proposed to create a separate Cell under a Special Officer with Staff as indicated in the Statement (X) enclosed. According to this, the annual expenditure would be of the order of Rs 80,000/-. The period required for writing of the history & estimated as of these two projects is ~~fixed at~~ one year ~~i.e. six months for each project~~

Page 2 'A' as Enclosure

The report regarding Bhavanathi Valley Project is already being prepared by the Chief, Investigation of Irrigation & Hydro Electric Projects of this State and the same is expected to be Completed by the end of this year.

I am to request you to obtain and Communicate approval of the Govt of India for the proposed expenditure of Rs 80,000/- per annum to be incurred on the staff, for reimbursement to this State Govt.

Yours faithfully

by

SO(F)

Copy to the CE, Investigation Irrigation & Hydro Electric Projects Aranda Rao Circle, Bidar w.r. to his letter no CE IH/SVP/138/89-90 dated 23-4-89 for information.

Copy to CE(D)S, Bidar for information.

Serial no 2

GOVERNMENT OF MYSORE

1

Tele: HYDROELEC
29401

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG NO. 8,
Bangalore-9, dated April 1969

No. CEIH/ SVP/~~CHEC/68-69~~ 138/69-70
Encl:

23 APR 1969

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
Vidhana Soudha, BANGALORE-1.

1996

Sir,

R. & I. SECTION
P.W.& E.D.
No. 9372
Date 24 APR 1969
Section M.2.

Sub:- History of Major Projects - Irrigation and Power Section - presention of -

Ref:- i) Letter No. PWD 36 MMI 68 dated 2-1-1969
ii) Reminder of Even No. dated 4-2-1969
iii) This office letter of Even No.dt/26-12-68.

Adverting to the above, I write to invite kind reference to this office letter cited at (iii) above, wherein, it has been reported that it is necessary to create a cell or cells separately for the collection of data and writing the history of each of the projects as they progress. Such cells may be attached to the Designs Wing under each of the Chief Engineer in-charge of the particular project right from the commencement so that the minute details of the project, designs made, problems faced during construction, the solutions effected etc., may be brought out clearly. The set-up of the cell in each zone depends upon the number of projects, the magnitude and the intricacies of the project under construction etc. I would, therefore, request that details regarding actual requirements of staff and the financial implications involved thereon may kindly be obtained from the Chief Engineers who are in-charge of the construction of projects.

4/29/4

Regarding the Sharavathi Valley Project, it has to be stated that this zone has already collected sufficient data for writing the history of the project and it is expected that a report will be finalised by the end of December 1969.

Sri RS
4/5/4

Regarding the projects already constructed, a separate cell may be formed under the control of a Special Officer with suitable subordinate staff. The period required for the write up of the history depends upon the number and magnitude of the projects. However, the staff pattern may be as indicated below and the annual expenditure for such a pattern would be Rs.80,000/-.

P.T.O.

Annexure no 2 A

		Monthly Rs.	Per annum Rs.
1. Special Officer	1 No.	1500 x 12	18,000
2. Asst.Engineer	2 "	522 x 2 x 12	12,528
3. Junior Engineer	4 "	341 x 4 x 12	16,368
4. Stenographer	1 "	(171+30) x 12	2,412
5. Typists	2 "	(116+20) x2x12	3,264
6. Clerks:			
I Division	2 "	171 x 2 x 12	4,104
II Division	2 "	116 x 2 x 12	2,784
7. Peons	4 "	56 x 4 x 12	2,728
8. T.A. D.A. etc.,			7,000
9. Contingencies and maintenance			10,000
		Total rupees:-	79,188

or say Rs. 80,000/-

Yours faithfully,

(M.V.A. Setty)
Chief Engineer,
HE&IP., (inv) Bangalore.

ms.

Subject:- History of Major Projects Irrigation & Power Sector - Preparation of —

Dear Sir,

I am desired to invite a reference to this Office letter no. PWD 36 MMI 68 dated 21-69 and the subsequent reminders of even no. dated 4.2.69 and 20.2.69 regarding the above subject and to request that reply here to may kindly be expedited as the matter is urgent.

Yours faithfully,

Issued
Dated 25/3/69

Sd/-

To
Sri. M.V.A. Setty,
Of, Investigating
Hydro Electric &
Irrigation Projects
Bihar

Subject :- Fielding of Major projects Irrigation & Power Sector - Preparation of

Dear Sir,

I am desired to invite a reference to this office letter no. PMD 36 MMI 68 dated 2.1.69 and the subsequent reminder of even no. dated 4.2.69 regarding the above subject and to request that reply thereto may kindly be expedited, as the matter is urgent.

20/2/69

Yours faithfully,

Sd/-

(S. N.V.A. Setty)
Officer on Special Duty
Hydro Electric & Irrigation
Projects, B'lore

Sd/-

D.O.No.PWD. 36 MHI 68

Mysore Govt. Secretariat,
Vidhana Soudha,
Bangalore, dated 4 Feby. 1968.

4

Dear Sir,

Sub:- History of Kaja Projects -
Irrigation and Power Sectors -
Preparation of

I am desired to invite your attention to this office letter No. PWD. 36 MHI 68 dated 2-1-69 ~~and the~~ subsequent ~~reminders~~, regarding the abov subject and to request that reply thereto may kindly be expedited, as the matter is urgent ~~long pending~~.

Yours sincerely,

ISSUED
Dated 4.2.69 dy

To
Shri M.V.A. Setty,
Chief Engineer, Investigation of Hydro Electrical
Irrigation Projects (~~South~~/North) Irrigation Projs.
Bangalore ~~Dharwar~~.

GOVERNMENT OF MYSORE

No. PWD 36 MMI 68.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,
Dated, Bangalore..... 2-1-Dec.1968

FROM

The *Secretary to the Government of Mysore.*
Public Works & Elecy.Department,
Bangalore.

To.

The Chief Engineer,
~~Public Works & Elecy.Dept.~~,
Investigation of Irrigation & Hydro
Electric Projects,
~~Andhra~~ Ananda Rao Circle,Post Bag.No.8 ,
Bangalore.

Sir,

Subject:-History of Major Projects Irrigation and Power Sector--
Preparation of.

Reference:-Your letter No.CEIH/SVP/42/CWPC/MISC/68-69, dated 26-12-68.

I am directed to request you to forward a report urgently, with financial implications. indicating the organisation required for the constitution of a cell, for the purpose, for consideration of Government.

Yours faithfully,

(S.K.MOHAN),
Under Secretary to Government,
Public Works & Elecy.Department.

BRG.30-12-68.

Subject :- History of Major projects Irrigation and Power Sector - preparation of

To,

The CE, PWD
Investigation of Irrigation & Hydro Electric Projects,
Anand Rao Circle, Post Bag No 8
Bangalore

Sir,

Ref :- Your letter no. CE/IH/SVP/42/CWPC/HISC/68-69 dated 26.12.68

I am directed to request you to forward a report urgently, indicating the organisation required for the Constitution of a Cell, for the purpose, for consideration of Govt.

Yours

DS (D)
for

Serial no 1

GOVERNMENT OF MYSORE

Tele: HYDROELEC
29401

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG NO. 8,
Bangalore-9, dated 26 DEC 1968

No. CEIH/SVP/42/CWPC.MISC/68-69
Encl :

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore 1.

Sir,

6092

P. & I. SECTION
P.W.D.
No. 59247
Date 27
Section M.P.

Sub:- History of Major Projects, Irrigation and Power sector - preparation of -

Ref:- Letter No. PWD 36 MMI 68 dated 28.11.68.

.....

With reference to the above, I write to state that the Civil Engineering portion of S.V.H.E.P. works is under the jurisdiction of this zone and the preparation of the History of this project is in progress.

I agree with the proposals of the Chairman, Central Water and Power Commission regarding the creation of a separate cell for each project for collecting data and writing the history of the scheme as it progresses. This cell may be attached to the Designs wing under each zone.

Yours faithfully,

Chief Engineer, PWD,
Invn. HE&IP, Bangalore 9.

M.M. 18-12: